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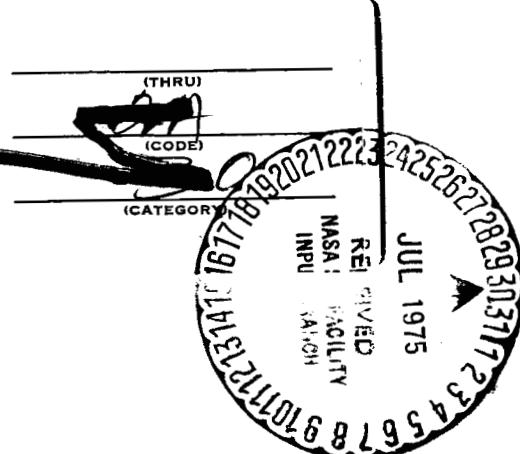
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(NASA-CR-63211) LUNAR ORBIT RENDEZVOUS
REFERENCE TRAJECTORY DATA PACKAGE.
REFERENCE TRAJECTORY NO. 3 (GUIDED
RE-ENTRY), ISSUE 4, VOLUME 3E (Bellcomm,
Inc.) 48 p

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Reference No. 64-2020

TR-64-209-6

Cle^r-5892

LUNAR ORBIT RENDEZVOUS REFERENCE

TRAJECTORY DATA PACKAGE (U)

REFERENCE TRAJECTORY NO. 3
(GUIDED RE-ENTRY)

[U]

Issue 4
Volume 3E

October 1, 1964

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Approved: *L.S. Wagner*

Trajectory Analysis Department

Work Performed for Manned Space Flight, National Aeronautics
and Space Administration as part of Task 9 under Contract
NASw-417

GROUP 4

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6.0 RE-ENTRY EQUILIBRIUM GLIDE PHASE

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ABSTRACT

This report, Reference Trajectory No. 3 (Guided Re-entry) is issued as volume 3E of Lunar Orbit Rendezvous Reference Trajectory Data Package (U), Issue 4. The first four volumes prepared by Space Technology Laboratories are as follows:

Volume 3A - Summary and Reference Trajectory No. 3 Data Exhibits, dated July 29, 1964, No. 8408-6066-RC-000

Volume 3B - Printout Keys and Reference Trajectory No. 3 Listing (Earth Launch to LEM Final Descent), dated July 29, 1964, No. 8408-6067-RC-000

Volume 3C - Reference Trajectory No. 3 Listing Continued (LEM Final Descent to Earth Re-entry), dated July 29, 1964, No. 8408-6068-RC-000

Volume 3D - Reference Trajectory No. 3 Listing Concluded (Re-entry), dated July 29, 1964, No. 8408-6069-RC-000

The above volumes contain a complete unguided reference trajectory including the re-entry phase. This report (volume 3E) contains a guided re-entry with the same terminal conditions as the unguided re-entry of volume 3D.

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GUIDED RE-ENTRY

The Reference Trajectory Data Package to which this is appended contains an "open loop" (unguided) Apollo LOR trajectory. For the powered flight maneuvers the full optimized steering orders of the "open loop" trajectory result in good first approximations to the final guided trajectories. In the re-entry phase the correspondence between the "open loop" and guided trajectories is less close. The intent of this volume is to present the resultant LOR re-entry trajectory parameters as influenced by the closed loop control of the MIT re-entry guidance logic.

The guidance logic utilized is that defined by MIT as of July 1, 1964. The characteristics of the vehicle restated from Volume 3A are:

$$L/D \text{ max} = .4$$

$$\frac{W}{C_D A} = 57 \text{ lbs/sq. ft.}$$

$$W = 9500.0 \text{ lbs.}$$

ATMOSPHERE MODEL = U. S. Standard ATMOSPHERE, 1962

The re-entry phase is initiated 12,951.2 min. from lift-off. At the point of re-entry the vehicle has a longitudinal range to go of 1,849.9 naut. miles and a lateral range to go of 172.0 naut. miles to reach the landing site located

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at 10.2 degrees S latitude, 194.6 degrees E longitude. In guiding the re-entry vehicle to the desired landing site four consecutive modes of the re-entry guidance logic were utilized. From initial entry to the point of initial "pull-up" ($RDOT=0$) the flight profile was the result of a fixed full positive lift-up command. Commencing at pull-up, the flight profile was under the influence of the "constant drag" guidance mode which continued until the velocity became less than 27,228 f.p.s. At this time the guidance entered the "reference trajectory" guidance mode and continued to operate in this mode until the velocity became less than 20,813 f.p.s. and the altitude rate ($RDOT$) became negative. At this point in the trajectory the guidance entered the final "equilibrium glide" mode and remained at this mode until reaching the terminal conditions.

This volume contains the printout and print key plus plotted time histories of several important trajectory parameters. The equivalent information for the "open loop" re-entry trajectory is contained in Volumes 3A and 3D.

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OUTPUT KEY FOR GUIDED RE-ENTRY

X Components of the missile position in an earth centered, right handed, inertial coordinate system.

Y

Z The system is oriented such that the X-Z plane contains the true vernal equinox of date and the X-Y plane contains the equator. The Z axis passes through the north pole. (ft)

XD Components of velocity in the earth centered inertial coordinate system. (ft/sec)

YD

ZD

XL Components of the landing site position in the earth centered inertial coordinate system. (ft)

YL

ZL

ALT Altitude with respect to the Fischer ellipsoid 1960, measured along the radius vector. (ft)

R Radial distance from the center of the earth. (ft)

RDOT Component of inertial velocity along the radius vector R. (ft/sec)

VI Magnitude of the inertial velocity. (ft/sec)

FPAI Flight path with respect to VI. Angle between the inertial velocity vector and the local geocentric horizontal, positive upward (deg.)

PSIV Azimuth from north of the inertial velocity vector projected on a plane normal to the radius vector. (deg.)

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VA	Magnitude of the velocity relative to the air mass. (ft/sec)
FPAA	Flight path with respect to the VA. Angle between the air velocity vector and the local geocentric horizontal, positive upward. (deg.)
PSAV	Azimuth from north of the air velocity vector projected on a plane normal to the radius vector. (deg.)
LAT	Geodetic latitude of the vehicle position. (deg.)
LONG	Longitude of the vehicle position. (deg.)
RTGN	Right ascension of the landing site from the vehicle position vector measured in the instantaneous plane of motion. The angle is projected to the surface of a spherical earth. (naut. mi.)
RTGL	Declination of the landing site relative to the instantaneous plane of motion. The angle is projected to the surface of a spherical earth. (naut. mi.)
ACC	Magnitude of the total acceleration vector (ft/sec ²)
DRAG	Magnitude of the aerodynamic drag force acting along the relative velocity vector VA. (lbs.)
FLY	Magnitude of the aerodynamic lift force acting normal to the relative velocity vector VA and in the instantaneous relative plane of motion. (lbs.)
FLP	Magnitude of the aerodynamic lift force acting normal to the relative velocity vector VA and normal to the instantaneous relative plane of motion. (lbs.)
GLOAD	Ratio of the magnitude of the aerodynamic acceleration to the magnitude of the gravitational acceleration.

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ROLL Roll attitude. Angle between the lift vector (defined in a plane normal to the relative velocity vector) and the line of intersection of the relative plane of motion and the plane normal to the relative velocity vector. Positive 0 to 360 degrees counter clockwise as viewed from the rear of the vehicle. 0 degrees representing maximum lift up in the relative plane of motion.
(deg.)

RLDOT Magnitude of the roll rate. (deg/sec)

TAG Guidance phase indicator (1 to 6)

- 1 - guidance phase prior to initial pull up
- 2 - guidance targeting iteration phase (determines guidance strategy) This phase occurs at the point of pull up, requiring approximately 300 to 500 milliseconds of time to complete.
- 3 - guidance "constant drag" or "reference trajectory" phase. For various range requirements either one or both of these phases may be required.
- 5 - guidance atmospheric skip phase. This phase may or may not exist as ranging requirements dictate.
- 6 - guidance equilibrium glide phase

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M. I. T. GUIDANCE 1288

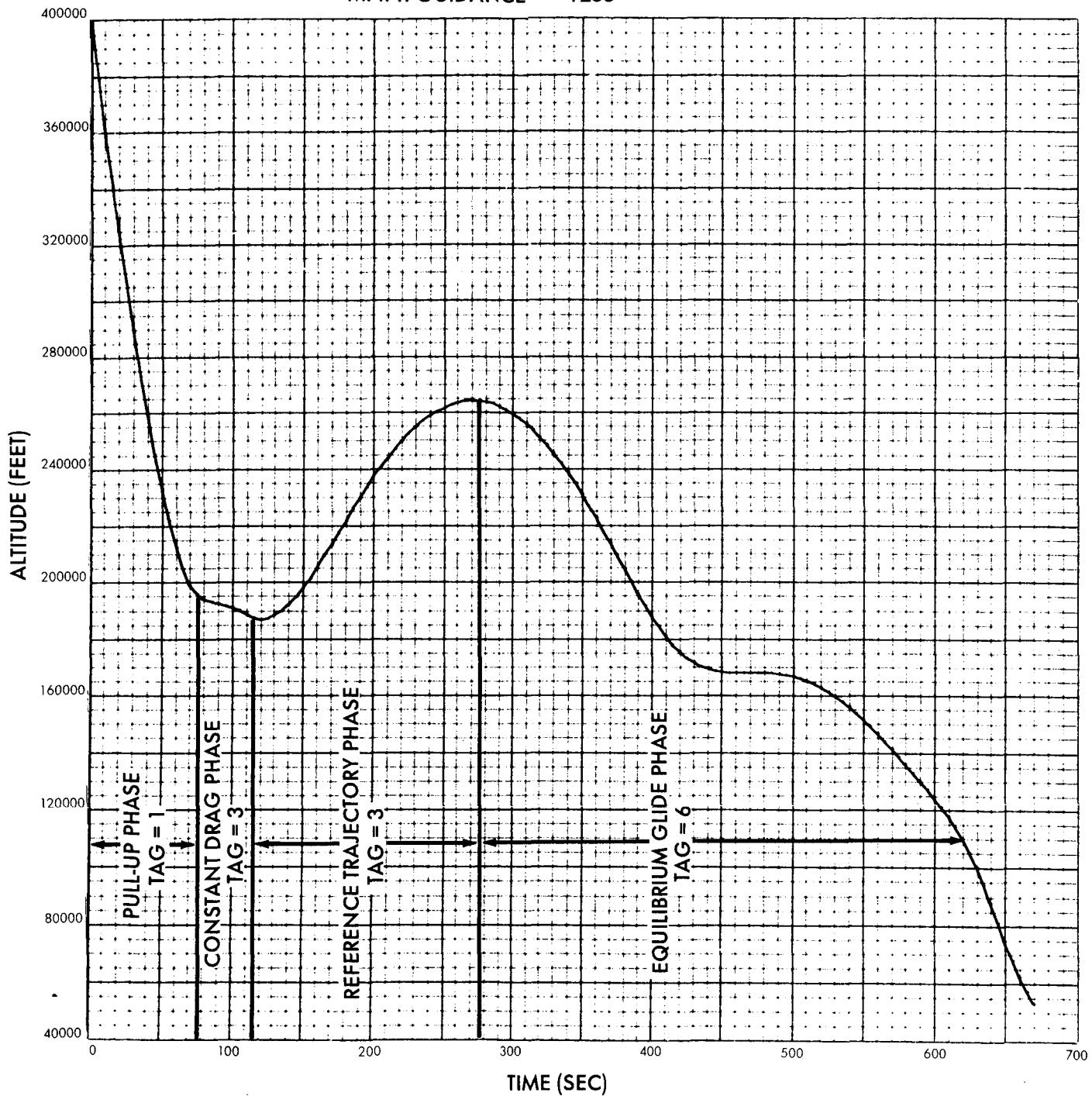


FIGURE 1 ALTITUDE

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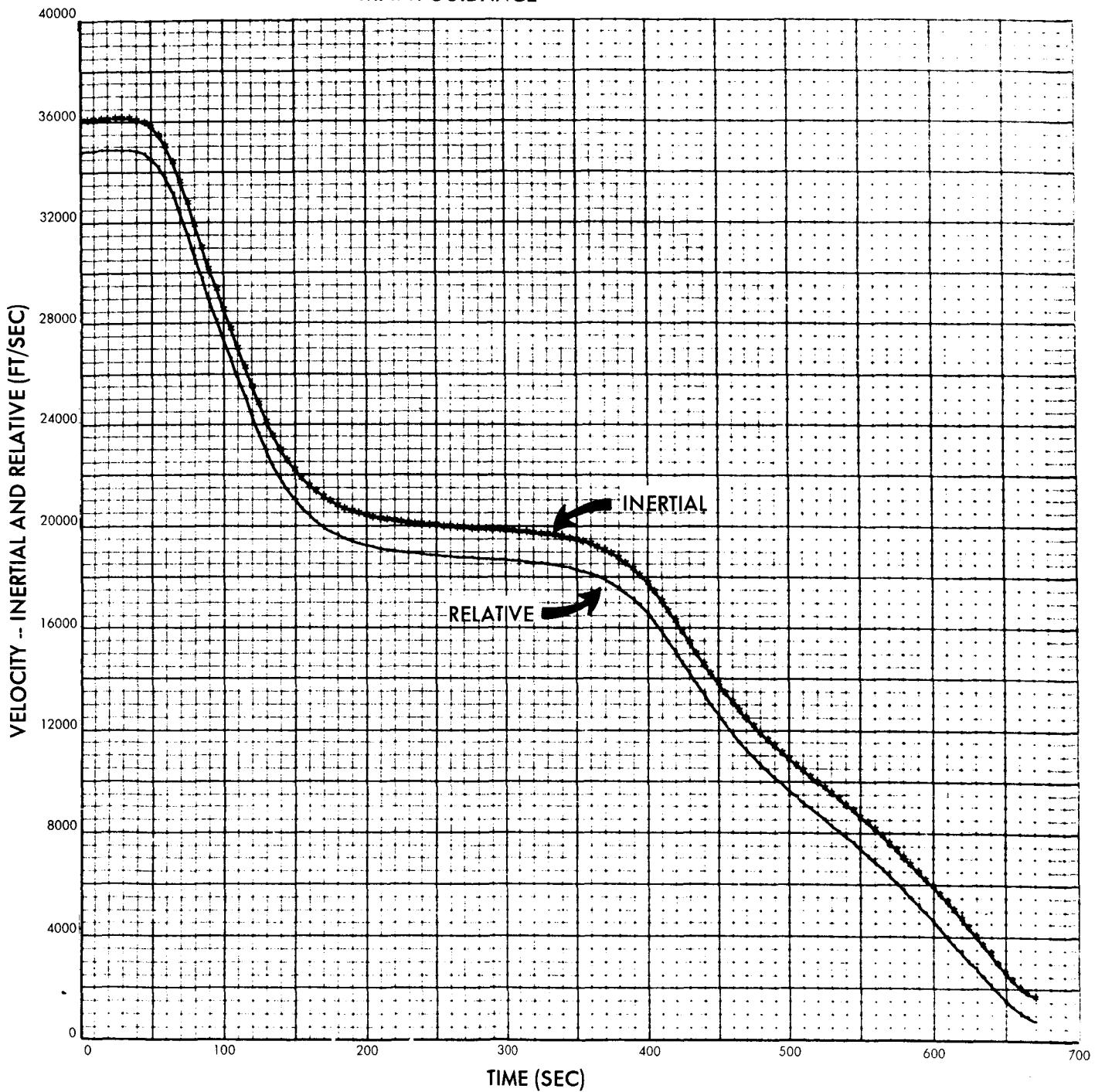


FIGURE 2 INERTIAL AND RELATIVE VELOCITY

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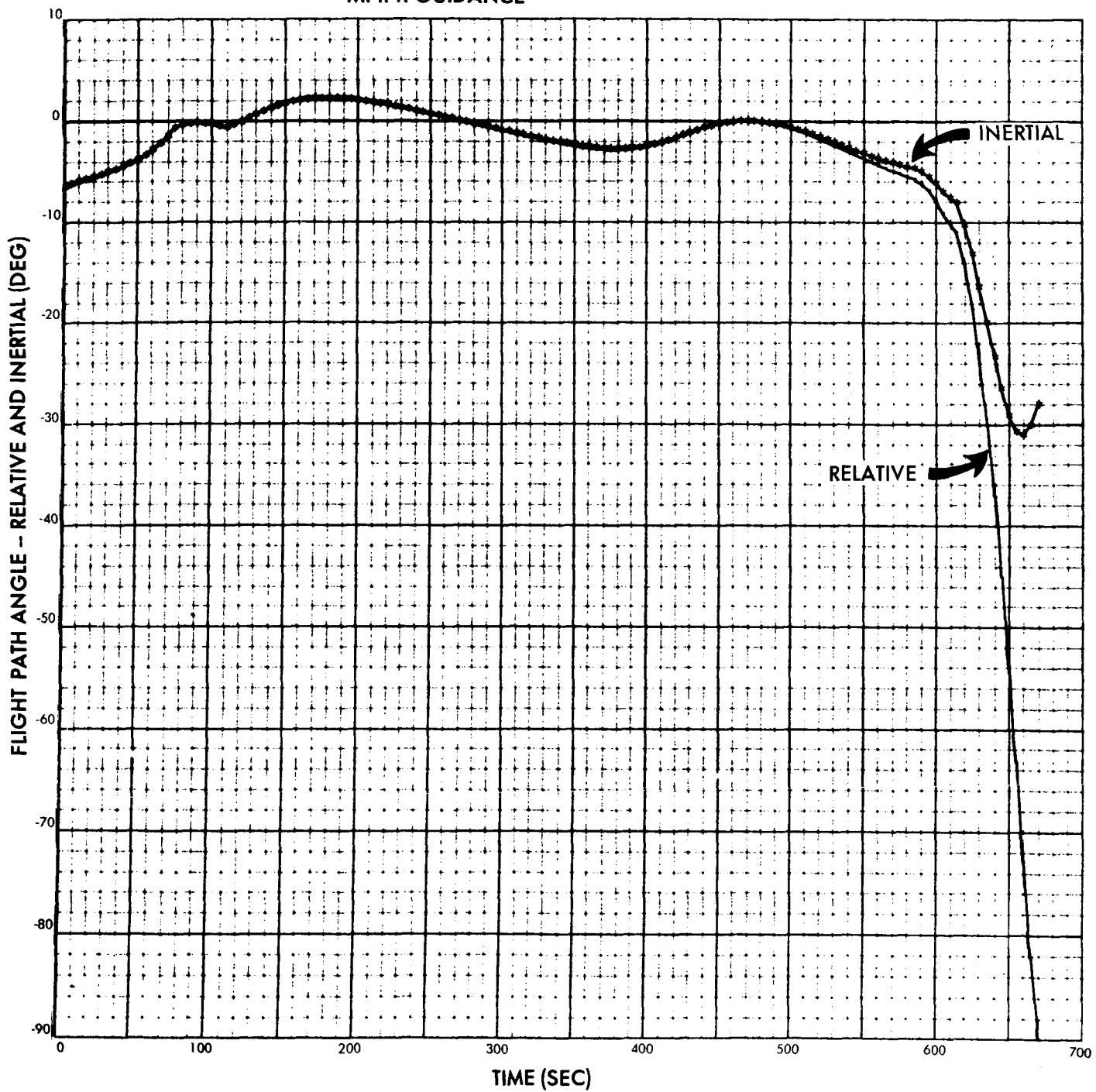


FIGURE 3 INERTIAL AND RELATIVE FLIGHT PATH ANGLE

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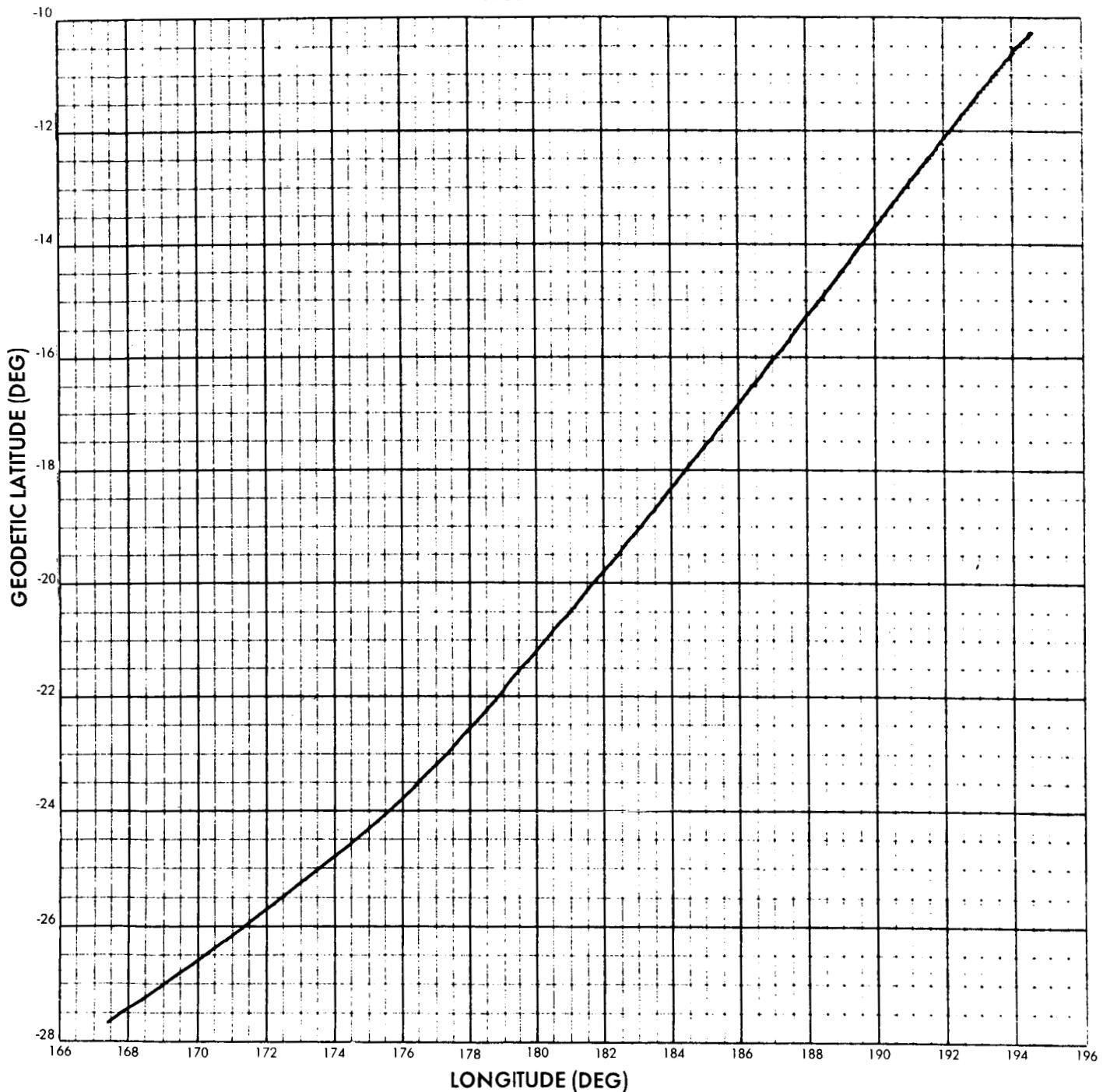


FIGURE 4 GEODETIC LATITUDE AND LONGITUDE

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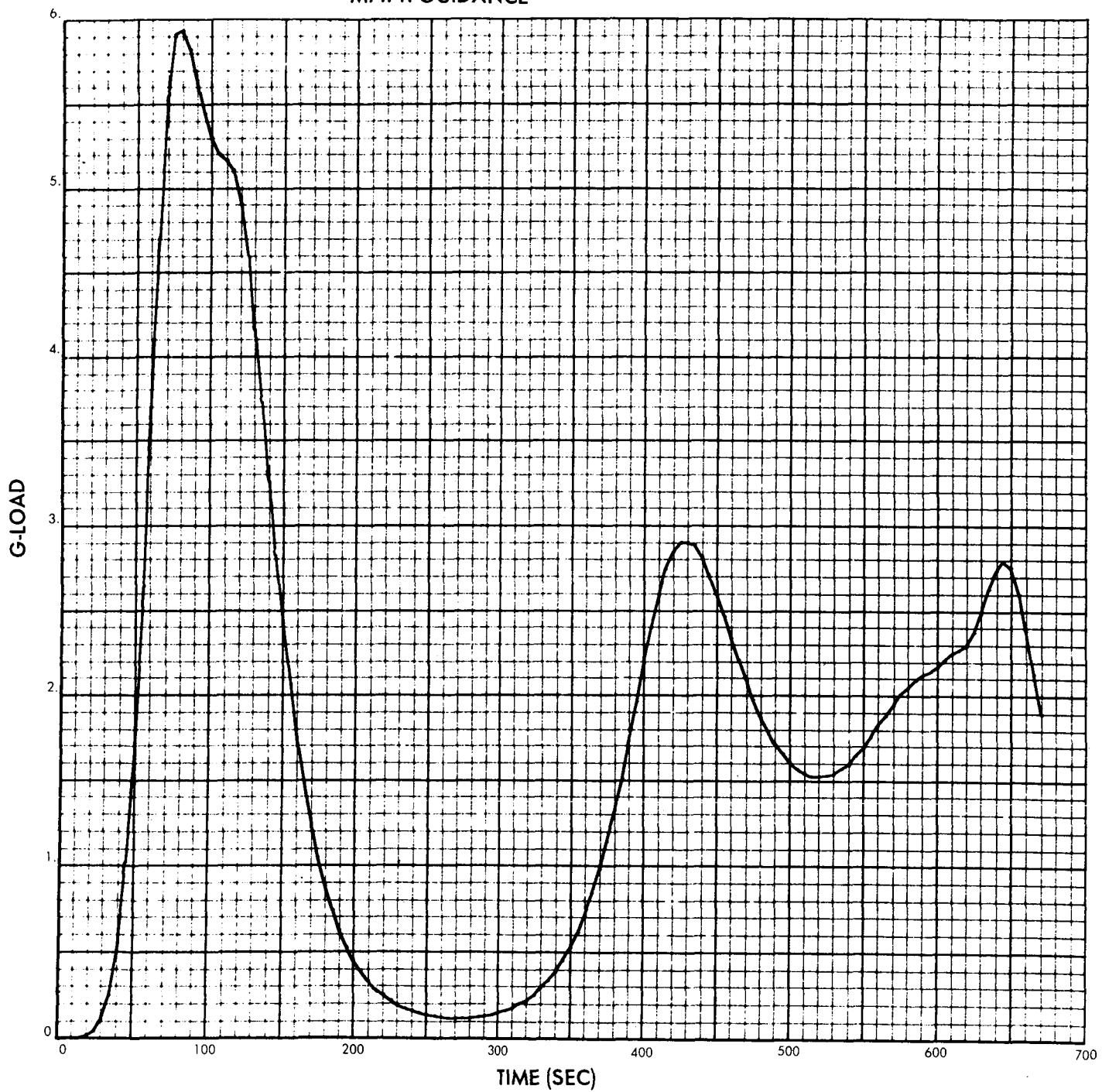


FIGURE 5 G-LOAD

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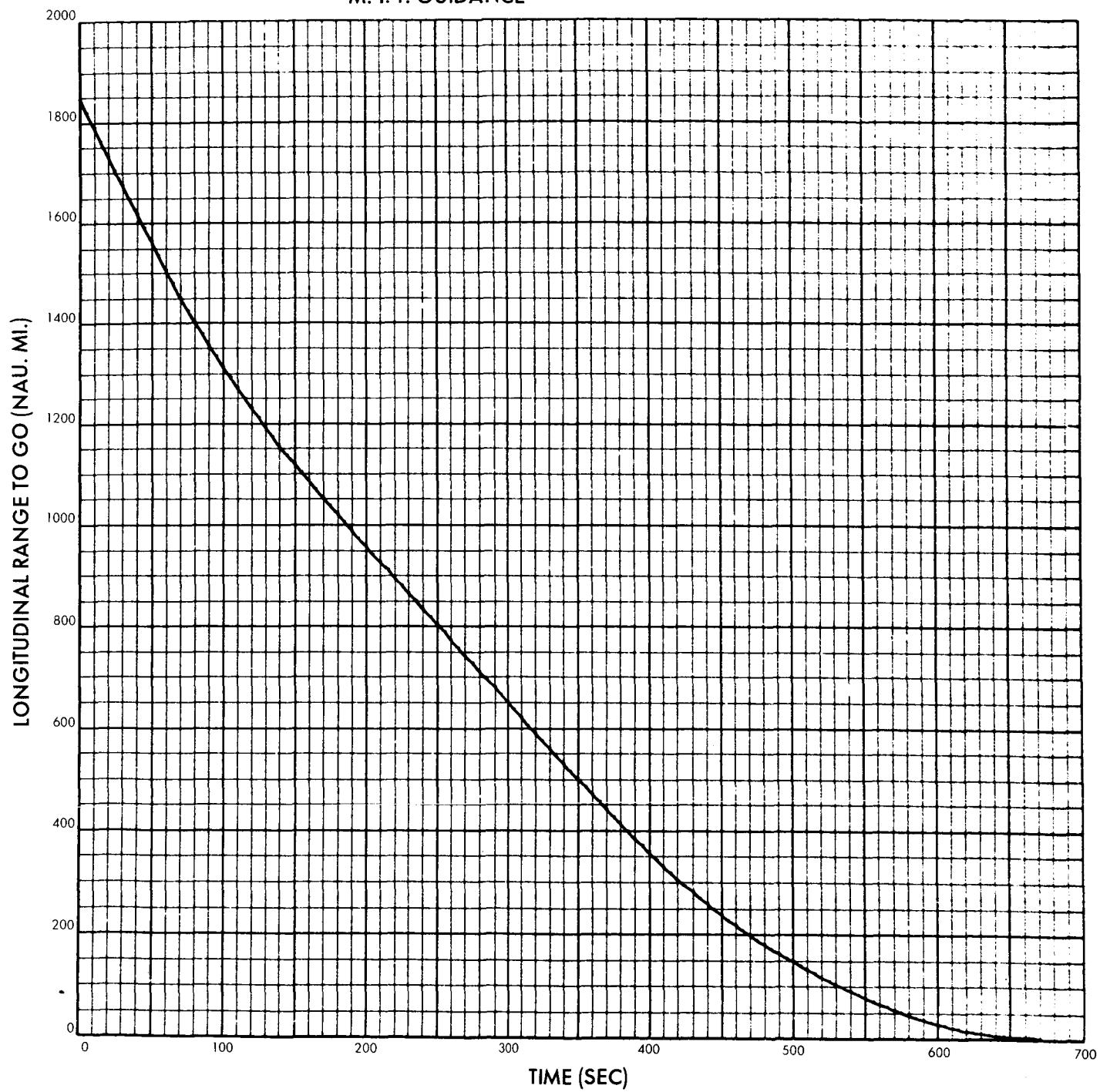


FIGURE 6 LONGITUDINAL RANGE TO GO

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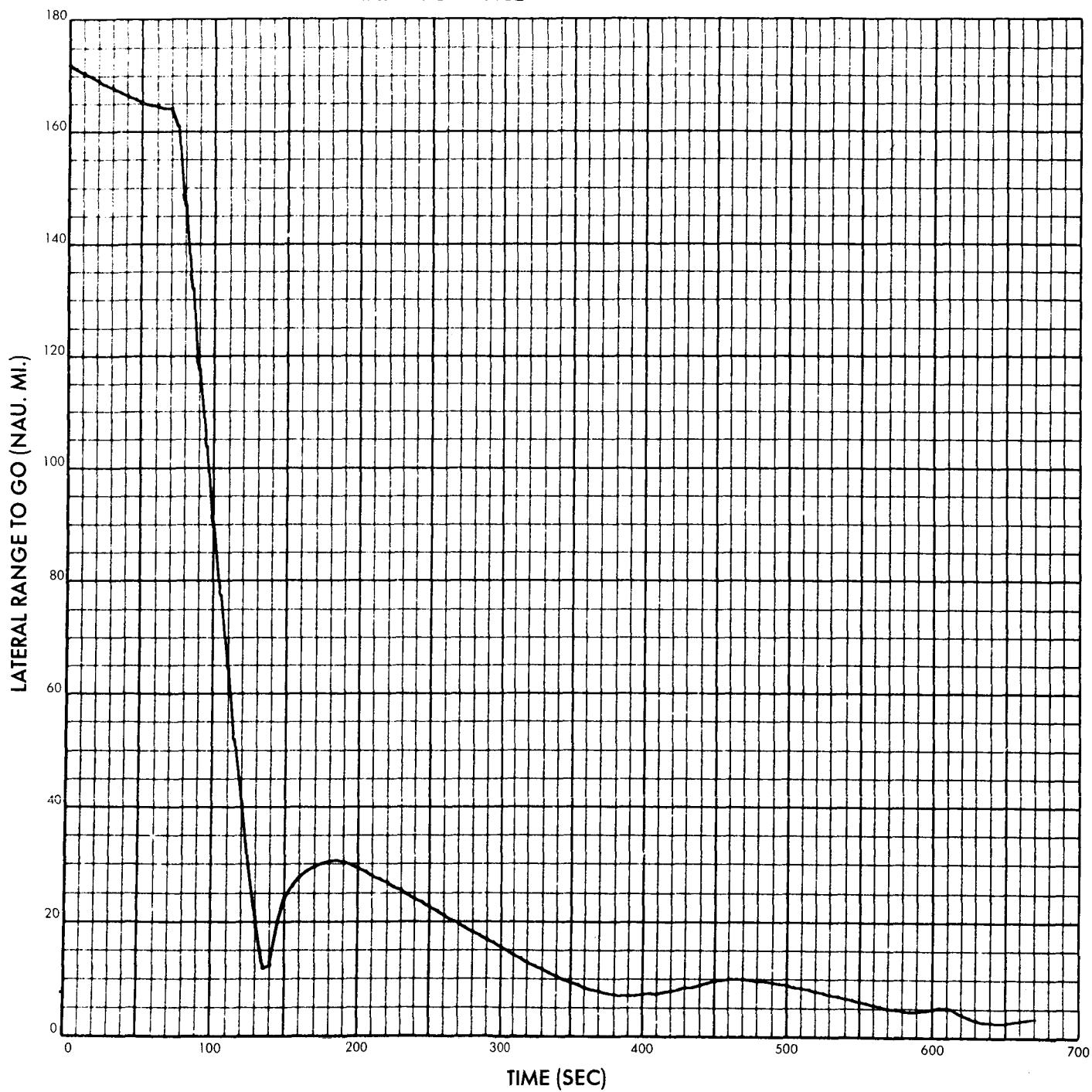


FIGURE 7 LATERAL RANGE TO GO

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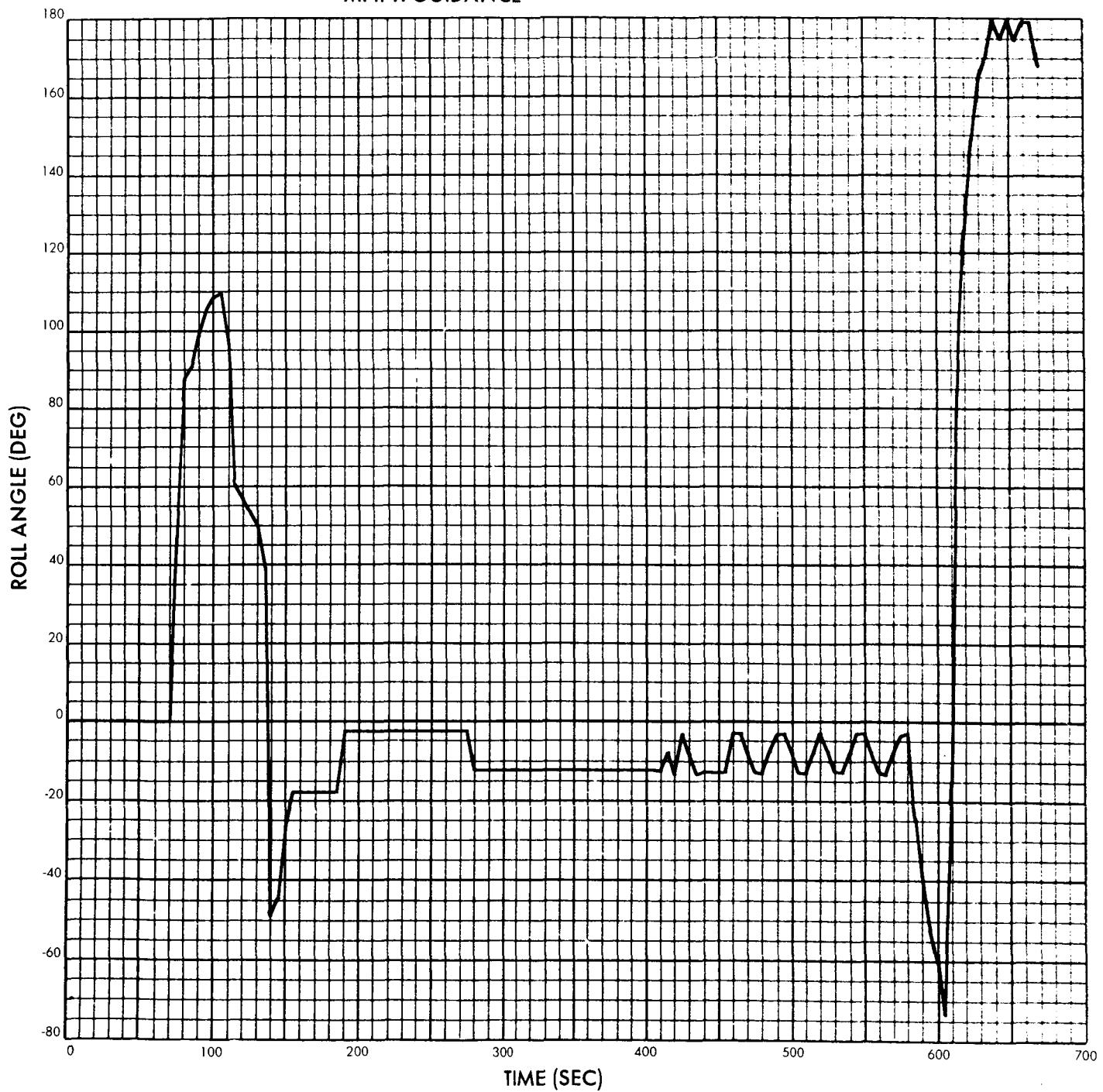


FIGURE 8 ROLL ATTITUDE

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5	30	3	3.6062626E 04	-6.3969650E 00	1.2322231E 02	-0.
5	394	4	-1.8188048E 01	-1.6508023E 02	4.1121262E 00	1.6616534E 02
5	60	1	-0	-0	-0.	-0.
5	441	2	-0	-0	7.7375321E 05	-0.
5	445	2	-0	-0	1.2000000E 01	-0.
5	448	1	-0	-0	-0.	-0.
5	451	3	-0	-0	5.0000000E 00	5.5900000E 01
5	468	2	-0	-0	2.2000000E 01	-0.
5	473	2	-0	-0	1.9000000E 01	-0.
5	705	1	-0	-0	5.0000000E 00	-0.
5	2	3	-0	-0	8.6808860E 06	-1.6786883E 07
5	5	3	-0	-0	3.0619146E 04	1.2470725E 04
5	30	3	-0	-0	3.6072551E 04	-6.3961172E 00
5	60	1	-0	-0	2.1310697E 07	-0.
5	394	4	-0	-0	-1.0208628E 01	-1.6537738E 02
5	441	2	-0	-0	1.3710000E 01	7.7707372E 05
5	443	2	-0	-0	0.	-5.0000000E 00
5	445	2	-0	-0	2.3000000E 01	2.0000000E 00
5	448	1	-0	-0	1.9700000E 03	-0.
5	451	3	-0	-0	6.4143490E 02	5.0000000E 00
5	468	2	-0	-0	8.0000000E 00	5.1200000E 01
5	473	2	-0	-0	2.6000000E 01	-0.
5	358	1	-0	-0	2.4000000E-01	-0.
16	-0	-0	-0	-0	-0.	-0.
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HEADING ANGLE	=	0.66706497E 02	
LATITUDE OF THE RE-ENTRY POINT	=	-0.27682536E 02	
LONGITUDE OF THE RE-ENTRY POINT	=	0.16739612E 03	
LATITUDE OF THE LANDING SITE	=	-0.10208628E 02	
LONGITUDE OF THE LANDING SITE	=	-0.16537738E 03	
L/D MAXIMUM OF THE VEHICLE	=	0.40000000E-00	
RLMIN =	0.15000000E 02	F0D = 0.24000000E-00	CK2L = 0.10000000E 01
RL1 =	0.50000000E 01	CLAT = 0.15000000E-01	CK3L = 0.10000000E 01
RL2 =	0.20000000E 02	C1 = 0.10000000E 01	CK1P = 0.50000000E 00
DRL =	0.11000000E 02	CK050 = 0.86712392E 05	CK2P = 0.15000000E 01
HMAX =	0.10000000E 07	CETA = 0.10000000E 04	CK3P = 0.50000000E 00
HM1N =	0.50000000E 05	CP2 = 0.50000000E-01	CK3AP = 0.25000000E-00
DTF =	0.50000000E 01	C5 = 0.	VMIN = 0.15000000E 05
GMAX =	0.32200000E 03	C6 = 0.	CK11P = 0.
DMIN =	0.10000000E 01	C7 = 0.10000000E-04	CK12P = 0.
DTPK =	0.10000000E 01	CK13P = 0.20000000E 01	
VRTH =	0.10000000E 04	C9 = 0.	
VRCT =	0.70000000E 03	C10 = 0.	
C12 =	0.93255255E 05	C13 = 0.30000000E 05	C23 = 0.15000000E 05
C14 =	0.10000000E 03	RR = 0.21202900E 08	C16 = 0.10000000E-01
C17 =	0.20000000E-03	C18 = 0.10000000E 04	C19 = 0.13000000E 03
C20 =	0.17500000E 03	C24 = 0.30000000E 02	C22 = 0.10000000E 01
HS =	0.28500000E 05	CK1L = 0.20000000E-00	FEWD = 0.20000000E-00

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23 FEB. 1970 22 HR 26 MIN 13.71 SEC TMST 777073.7187 J.D. 244 641.4349 8 DAY 23 HR 51.2 MIN

X = 0.868088860E 07 XD = 0.30619146E 05 ALT = 0.40000000E 06 LAT = -0.27682537E 02 VI = 0.36772550E 05
Y = -0.16786883E 08 YD = 0.12470725E 05 R = 0.21310697E 08 LONG = 0.16739612E 03 FPAI = -0.61961383E 01
Z = -0.98482792E 07 ZD = 0.14428369E 05 RDOT = -0.40185525E 04 FLP = 0. PSIV = 0.65756457E 02
XL = 0.16784602E 08 TAG = 0.10000000E 01 GLOAD = 0. FLY = 0.16621253E 01 VA = 0.14819200E 05
YL = -0.11940971E 08 ROLL = 0. ACC = 0. RTGN = 0.17203549E 03 FPAA = -0.66273871E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.36553134E 01 RTGL = 0.18499783E 04 PSAV = 0.65803651E 02

23 FEB. 1970 22 HR 26 MIN 18.83 SEC TMST 777078.8359 J.D. 244 641.4350 8 DAY 23 HR 51.3 MIN

X = 0.88376417E 07 XD = 0.30553593E 05 ALT = 0.37959250E 06 LAT = -0.27485327E 02 VI = 0.36089950E 05
Y = -0.16722650E 08 YD = 0.12595930E 05 R = 0.21290487E 08 LONG = 0.16788588E 03 FPAI = -0.61531808E 01
Z = -0.97741454E 07 ZD = 0.14501896E 05 RDOT = -0.38683716E 04 FLP = 0. PSIV = 0.664470719E 02
XL = 0.16789064E 08 TAG = 0.10000000E 01 GLOAD = 0.79629487E-03 FLY = 0.33031081E 01 VA = 0.34931274E 05
YL = -0.11934698E 08 ROLL = 0. ACC = 0.31108785E 02 RTGN = 0.17133518E 03 FPAA = -0.63753178E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.82577704E 01 RTGL = 0.18213721E 04 PSAV = 0.65559455E 02

23 FEB. 1970 22 HR 26 MIN 23.96 SEC TMST 777083.9609 J.D. 244 641.4350 8 DAY 23 HR 51.4 MIN

X = 0.89940577E 07 XD = 0.30486600E 05 ALT = 0.35995425E 06 LAT = -0.27285877E 02 VI = 0.36106577E 05
Y = -0.16657775E 08 YD = 0.12720917E 05 R = 0.21271047E 08 LONG = 0.16837477E 03 FPAI = -0.57096836E 01
Z = -0.96996355E 07 ZD = 0.14574994E 05 RDOT = -0.37175567E 04 FLP = 0. PSIV = 0.66236939E 02
XL = 0.16793523E 08 TAG = 0.10000000E 01 GLOAD = 0.21471492E-02 FLY = 0.80548683E 01 VA = 0.34934555E 05
YL = -0.11928422E 08 ROLL = 0. ACC = 0.31145853E 02 RTGN = 0.17063501E 03 FPAA = -0.61227651E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.20137171E 02 RTGL = 0.17927104E 04 PSAV = 0.653177241E 02

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23 FEB. 1970 22 HR 26 MIN 28.96 SEC TMST 777088.9609 J.D. 244 641.4351 H DAY 23 HR 51.5 MIN

X = 0.91463242E 07 XD = 0.30419734E 05 ALT = 0.34154125E 06 LAT = -0.27089153E 02 VI = 0.36121858E 05
Y = -0.16593866E 08 YD = 0.12842501E 05 R = 0.21252829E 08 LONG = 0.16885085E 03 FPAI = -0.56715022E 01
Z = -0.96265834E 07 ZD = 0.14645769E 05 RDOT = -0.35697359E 04 FLP = 0. PSIV = 0.66010797E 02
XL = 0.16797871E 08 TAG = 0.10000000E 01 GLOAD = 0.53730570E-02 FLY = 0.19381179E 02 VA = 0.34870451E 05
YL = -0.11922298E 08 ROLL = 0. ACC = 0.31152836E 02 RTGN = 0.16995217E 03 FPAA = -0.58757402E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.48452949E 02 RTGL = 0.17646967E 04 PSAV = 0.65002879E 02

23 FEB. 1970 22 HR 26 MIN 34.08 SEC TMST 777094.0859 J.D. 244 641.4351 8 DAY 23 HR 51.5 MIN

X = 0.93020460E 07 XD = 0.30349332E 05 ALT = 0.323493600E 06 LAT = -0.26885352E 02 VI = 0.36136030E 05
Y = -0.16527731E 08 YD = 0.12966402E 05 R = 0.21234924E 08 LONG = 0.16933789E 03 FPAI = -0.54264204E 01
Z = -0.95513397E 07 LD = 0.14717444E 05 RDOT = -0.34172897E 04 FLP = 0. PSIV = 0.65781031E 02
XL = 0.16802326E 08 TAG = 0.10000000E 01 GLDAD = 0.14108745E-01 FLY = 0.50197822E 02 VA = 0.34885231E 05
YL = -0.11916019E 08 ROLL = 0. ACC = 0.31082042E 02 RTGN = 0.16925303E 03 FPAA = -0.56215974E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.12549456E 03 RTGL = 0.17359324E 04 PSAV = 0.64844684E 02

23 FEB. 1970 22 HR 26 MIN 39.08 SEC TMST 777099.0859 J.D. 244 641.4352 8 DAY 23 HR 51.6 MIN

X = 0.94536157E 07 XD = 0.30278009E 05 ALT = 0.30652750E 06 LAT = -0.26684448E 02 VI = 0.36147072E 05
Y = -0.16462599E 08 YD = 0.13085688E 05 R = 0.21218213E 08 LONG = 0.16981208E 03 FPAI = -0.51855931E 01
Z = -0.94775807E 07 ZD = 0.14785729E 05 RDOT = -0.322670507E 04 FLP = 0. PSIV = 0.65258920E 02
XL = 0.16806669E 08 TAG = 0.10000000E 01 GLOAD = 0.36443050E-01 FLY = 0.12887196E 03 VA = 0.34896843E 05
YL = -0.11909892E 08 ROLL = 0. ACC = 0.30826948E 02 RTGN = 0.16857254E 03 FPAA = -0.51719105E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.32217990E 03 RTGL = 0.17078236E 04 PSAV = 0.64614312E 02

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23 FEB. 1970 22 HR 26 MIN 44.08 SEC TMSF 777104.0859 J.D. 244 641.4352 8 DAY 23 HR 51.7 MIN

X = 0.96048184E 07 XD = 0.30201943E 05 ALT = 0.29037575E 06 LAT = -0.26481540E 02 VI = 0.3611882E 05
Y = -0.16396880E 08 YD = 0.13201094E 05 R = 0.21202259E 08 LONG = 0.17028522E 03 FPAI = -0.49409315E 01
Z = -0.94034884E 07 ZD = 0.14850332E 05 RDOT = -0.31137138E 04 FLP = 0. PSIV = -0.65338976E 02
XL = 0.16811010E 08 TAG = 0.10000000E 01 GLOAD = 0.93868876E-01 FLY = 0.33077872E 03 VA = 0.34902194E 05
YL = -0.11903764E 08 ROLL = 0. ACC = 0.30158793E 02 RTGN = 0.16789620E 03 FPAA = -0.51183072E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.822694681E 03 RTGL = 0.16796741E 04 PSAV = 0.64385975E 02

23 FEB. 1970 22 HR 26 MIN 49.21 SEC TMSF 777109.2109 J.D. 244 641.4353 8 DAY 23 HR 51.8 MIN

X = 0.97593841E 07 XD = 0.30114187E 05 ALT = 0.27463025E 06 LAT = -0.26271571E 02 VI = 0.36142382E 05
Y = -0.16328939E 08 YD = 0.13310088E 05 R = 0.21186717E 08 LONG = 0.17076893E 03 FPAI = -0.46813049E 01
Z = -0.93272272E 07 ZD = 0.14908019E 05 RDOT = -0.294496994E 04 FLP = 0. PSIV = 0.65116070E 02
XL = 0.16815458E 08 TAG = 0.10000000E 01 GLOAD = 0.22699417E-00 FLY = 0.79952290E 03 VA = 0.348993208E 05
YL = -0.11897480E 08 ROLL = 0. ACC = 0.28932925E 02 RTGN = 0.16721273E 03 FPAA = -0.48472683E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.19988073E 04 RTGL = 0.16507874E 04 PSAV = 0.64124122E 02

23 FEB. 1970 22 HR 26 MIN 56.21 SEC TMSF 777114.2109 J.D. 244 641.4354 8 DAY 23 HR 51.9 MIN

X = 0.99097035E 07 XD = 0.30009122E 05 ALT = 0.26010975E 06 LAT = -0.26064926E 02 VI = 0.3612738E 05
Y = -0.16262161E 08 YD = 0.13396545E 05 R = 0.21172396E 08 LONG = 0.17123933E 03 FPAI = -0.44094036E 01
Z = -0.92525811E 07 ZD = 0.14946334E 05 RDOT = -0.27756748E 04 FLP = 0. PSIV = 0.644901647E 02
XL = 0.16819795E 08 TAG = 0.10000000E 01 GLOAD = 0.50307182E 00 FLY = 0.17642984E 04 VA = 0.34854006E 05
YL = -0.11891348E 08 ROLL = 0. ACC = 0.28246273E 02 RTGN = 0.16656713E 03 FPAA = -0.4567712E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.44107460E 04 RTGL = 0.16225900E 04 PSAV = 0.63930201E 02

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23 FEB. 1970 22 HR 26 MIN 59.21 SEC TMST 777119.2109 J.D. 244 641.4354 8 DAY 23 HR 52.0 MIN

X = 0.10059420E 08 XD = 0.29870460E 05 ALT = 0.244651525E 06 LAT = -0.25856783E 02 VI = 0.36059237E 05
Y = -0.16195033E 08 YD = 0.13447507E 05 R = 0.21159001E 08 LONG = 0.17170765E 03 FPAI = -0.413466790E 01
Z = -0.91778169E 07 ZD = 0.14952770E 05 RDOT = -0.25775015E 04 FLP = 0. PSIV = 0.64691138E 02
XL = 0.16824129E 08 TAG = 0.10000000E 01 GLOAD = 0.95038974E 00 FLY = 0.33309647E 04 VA = 0.34760862E 05
YL = -0.11885215E 08 ROLL = 0. ACC = 0.32554581E 02 RTGN = 0.16595934E 03 FPAA = -0.42523582E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.83274119E 04 RTGL = 0.15944106E 04 PSAV = 0.63708774E 02

23 FEB. 1970 22 HR 27 MIN 4.21 SEC TMST 777124.2109 J.D. 244 641.4355 8 DAY 23 HR 52.0 MIN

X = 0.10208323E 08 XD = 0.29680655E 05 ALT = 0.233399600E 06 LAT = -0.25647587E 02 VI = 0.35832627E 05
Y = -0.16127778E 08 YD = 0.13443514E 05 R = 0.21146681E 08 LONG = 0.17217298E 03 FPAI = -0.37495117E 01
Z = -0.91031352E 07 ZD = 0.14909922E 05 RDOT = -0.23432612E 04 FLP = 0. PSIV = 0.64485771E 02
XL = 0.16828461E 08 TAG = 0.10000000E 01 GLOAD = 0.16219958E 01 FLY = 0.56757584E 04 VA = 0.34584497E 05
YL = -0.11879080E 08 ROLL = 0. ACC = 0.47036837E 02 RTGN = 0.16541035E 03 FPAA = -0.38850329E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.14189396E 05 RTGL = 0.15663029E 04 PSAV = 0.63490218E 02

23 FEB. 1970 22 HR 27 MIN 9.21 SEC TMST 777129.2109 J.D. 244 641.4355 8 DAY 23 HR 52.1 MIN

X = 0.10356106E 08 XD = 0.29419159E 05 ALT = 0.22276650E 06 LAT = -0.25437986E 02 VI = 0.35538764E 05
Y = -0.16060727E 08 YD = 0.13361955E 05 R = 0.21135650E 08 LONG = 0.17263400E 03 FPAI = -0.31231927E 01
Z = -0.90288329E 07 ZD = 0.14797804E 05 RDOT = -0.20601160E 04 FLP = 0. PSIV = 0.64287164E 02
XL = 0.16832791E 08 TAG = 0.10000000E 01 GLOAD = 0.25185915E 01 FLY = 0.88038730E 04 VA = 0.34290740E 05
YL = -0.11872944E 08 ROLL = 0. ACC = 0.71959620E 02 RTGN = 0.16494605E 03 FPAA = -0.34442859E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.22009683E 05 RTGL = 0.15383462E 04 PSAV = 0.63225071E 02

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23 FEB. 1970 22 HR 27 MIN 14.21 SEC TMST 777134.2109 J.D. 244 641.4356 H DAY 23 HR 52.2 MIN

X = 0.10502365E 08 XD = 0.29068193E 05 ALT = 0.21309625E 06 LAT = -0.25228853E 02 VI = 0.35078575E 05
Y = -0.15994320E 08 YD = 0.13183898E 05 R = 0.21126177E 08 LONG = 0.17308895E 03 FPAI = -0.28077840E 01
Z = -0.89553020E 07 ZD = 0.14599142E 05 RDOT = -0.17193200E 04 FLP = 0. PSIV = 0.64097107E 02
XL = 0.16837119E 08 TAG = 0.10000000E 01 GLOAD = 0.35684021E 01 FLY = 0.12448688E 05 VA = 0.3850513E 05
YL = -0.11866806E 08 ROLL = 0. ACC = 0.10361357E 03 RTGN = 0.16459103E 03 FPAA = -0.29113937E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.31121721E 05 RTGL = 0.15106471E 04 PSAV = 0.63064024E 02

23 FEB. 1970 22 HR 27 MIN 19.21 SEC TMST 777139.2109 J.D. 244 641.4357 H DAY 23 HR 52.3 MIN

X = 0.10646626E 08 XD = 0.28620484E 05 ALT = 0.20527650E 06 LAT = -0.25021226E 02 VI = 0.34501324E 05
Y = -0.15929060E 08 YD = 0.12903096E 05 R = 0.21118552E 08 LONG = 0.17353580E 03 FPAI = -0.21761312E 01
Z = -0.88829964E 07 ZD = 0.14308019E 05 RDOT = -0.13221923E 04 FLP = 0. PSIV = 0.63917165E 02
XL = 0.16841445E 08 TAG = 0.10000000E 01 GLOAD = 0.46031902E 01 FLY = 0.16033765E 05 VA = 0.33253108E 05
YL = -0.11860666E 08 ROLL = 0. ACC = 0.13578176E 03 RTGN = 0.16436065E 03 FPAA = -0.2786100E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.40084412E 05 RTGL = 0.14833309E 04 PSAV = 0.62857857E 02

23 FEB. 1970 22 HR 27 MIN 24.33 SEC TMST 777144.3359 J.D. 244 641.4357 H DAY 23 HR 52.4 MIN

X = 0.10791933E 08 XD = 0.28070225E 05 ALT = 0.19944650E 06 LAT = -0.24811076E 02 VI = 0.33743378E 05
Y = -0.15863874E 08 YD = 0.12521473E 05 R = 0.21112917E 08 LONG = 0.17398332E 03 FPAI = -0.14791987E 01
Z = -0.88106176E 07 ZD = 0.13924466E 05 RDOT = -0.87105222E 03 FLP = 0. PSIV = 0.63744155E 02
XL = 0.16845876E 08 TAG = 0.20000000E 01 GLOAD = 0.54524292E 01 FLY = 0.18969285E 05 VA = 0.32494943E 05
YL = -0.11854371E 08 ROLL = 0. ACC = 0.16261328E 03 RTGN = 0.16425250E 03 FPAA = -0.15360412F 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.47423213E 05 RTGL = 0.14558624E 04 PSAV = 0.62652368E 02

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REFERENCE TRAJECTORY CALCULATION BEGAN AT

0.7264998E 02SECONDS

DRAG	=	0.1677821E 03	ALTITUDE	=	0.19781225E 06	VELOCITY	=	0.33416037L 05
V1	=	0.26288419E 05	VL	=	0.20813518t 05	RDOTL	=	0.10949803L 04
ASPUP	=	0.83602111t-01	ASKEP	=	0.19566247t-00	ASP3	=	-0.16638769t-01
ASP1	=	0.12684396t-00	ASP	=	0.44928065t-00	ASPD	=	0.59810888t-01
CLV	=	0.11179208E 04	CLG	=	0.36624960E 04	FACT2	=	-0.38386241t-03
DO	=	0.16778211t 03	ALP	=	0.69192906E-01	FACT1	=	0.28242607t 05

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23 FEB. 1970 22 HR 27 MIN 29.33 SEC TMST 777149.3359 J.D. 244 641.4358 8 DAY 23 HR 52.5 MIN

X = 0.10930789E 08 XD = 0.27456146E 05 ALT = 0.19604475E 06 LAT = -0.24609489E 02 VI = 0.32903798E 05
Y = -0.15802355E 08 YD = 0.12067182E 05 R = 0.21109702E 08 LONG = 0.17440796E 03 FPAT = -0.13434351E 00
Z = -0.87420216E 07 ZD = 0.13535700E 05 RDOT = -0.42170930E 03 FLP = 0.11540974E 05 PSIV = 0.63503041E 02
XL = 0.16850197E 08 TAG = 0.30000000E 01 GLOAD = 0.58893558E 01 FLY = 0.16870954E 05 VA = 0.31636297E 05
YL = -0.11848228E 08 ROLL = 0.34374998E 02 ACC = 0.17862130E 03 RTGN = 0.16222199E 03 FPAA = -0.76328815E 00
ZL = -0.36846776E 07 RLDT = 0.20000000E 02 DRAG = 0.51101809E 05 RTGL = 0.14299089E 04 PSAV = 0.62371417E 02

23 FEB. 1970 22 HR 27 MIN 34.33 SEC TMST 777154.3359 J.D. 244 641.4358 8 DAY 23 HR 52.5 MIN

X = 0.11066114E 08 XD = 0.26642687E 05 ALT = 0.19437150E 06 LAT = -0.24409730E 02 VI = 0.32026104E 05
Y = -0.15743189E 08 YD = 0.11624202E 05 R = 0.21108212E 08 LONG = 0.17481866E 03 FPAT = -0.40559627E-00
Z = -0.86746617E 07 ZD = 0.13443085E 05 RDOT = -0.22671058E 03 FLP = 0.20612750E 05 PSIV = 0.62790041E 02
XL = 0.16854516E 08 TAG = 0.30000000E 01 GLOAD = 0.59488989E 01 FLC = 0.89997378E 03 VA = 0.35784864E 05
YL = -0.11842084E 08 ROLL = 0.87499995E 02 ACC = 0.19026859E 03 RTGN = 0.14868554E 03 FPAA = -0.42114945E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.51580970E 05 RTGL = 0.14058327E 04 PSAV = 0.61595731E 02

23 FEB. 1970 22 HR 27 MIN 39.33 SEC TMST 777159.3359 J.D. 244 641.4359 8 DAY 23 HR 52.6 MIN

X = 0.11197176E 08 XD = 0.25782470E 05 ALT = 0.19330300E 06 LAT = -0.24210284E 02 VI = 0.31151762E 05
Y = -0.15686057E 08 YD = 0.11233499E 05 R = 0.21107326E 08 LONG = 0.17521422E 03 FPAT = -0.24707205E-00
Z = -0.86075594E 07 ZD = 0.13397948E 05 RDOT = -0.13465907E 03 FLP = 0.20272635E 05 PSIV = 0.62023681E 02
XL = 0.16858832E 08 TAG = 0.30000000E 01 GLOAD = 0.58480728E 01 FLY = -0.266855782E 03 VA = 0.29917895E 05
YL = -0.11835938E 08 ROLL = 0.90758969E 02 ACC = 0.18787937E 03 RTGN = 0.13389195E 03 FPAA = -0.25788574E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.50686034E 05 RTGL = 0.13824835E 04 PSAV = 0.60761005E 02

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23 FEB. 1970 22 HR 27 MIN 44.33 SEC TMST 777164.3359 J.D. 244 641.4359 8 DAY 23 HR 52.7 MIN

X = 0.11323944E 08 XD = 0.24925232E 05 ALT = 0.19258575E 06 LAT = -0.24011353E 02 VI = 0.30298688E 05
Y = -0.15630793E 08 YD = 0.10879692E 05 R = 0.21106789E 08 LONG = 0.17559492E 03 FPAL = -0.1785446E-00
Z = -0.85406774E 07 ZD = 0.13355733E 05 RDOT = -0.88763430E 02 FLP = 0.19409896E 05 PSIV = 0.61266686E 02
XL = 0.16863147E 08 TAG = 0.30000000E 01 GLOAD = 0.56671824E 01 FLY = -0.30235906E 04 VA = 0.29072380E 05
YL = -0.11829790E 08 ROLL = 0.98854131E 02 ACC = 0.18380548E 03 RTGN = 0.11935564E 03 FPAA = -0.17493395E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.49109963E 05 RTGL = 0.13596894E 04 PSAV = 0.59923056E 02

23 FEB. 1970 22 HR 27 MIN 49.33 SEC TMST 777169.3359 J.D. 244 641.4360 8 DAY 23 HR 52.8 MIN

X = 0.11446444E 08 XD = 0.24074861E 05 ALT = 0.19197025E 06 LAT = -0.23813192E 02 VI = 0.27474029E 05
Y = -0.15577180E 08 YD = 0.10572654E 05 R = 0.21106353E 08 LONG = 0.17596128E 03 FPAL = -0.1124248E-00
Z = -0.84739960E 07 ZD = 0.13316850E 05 RDOT = -0.93234551E 02 FLP = 0.18505892E 05 PSIV = 0.65531898E 02
XL = 0.16867459E 08 TAG = 0.30000000E 01 GLOAD = 0.54701017E 01 FLY = -0.41385235E 04 VA = 0.26255302E 05
YL = -0.11823641E 08 ROLL = 0.10260580E 03 ACC = 0.17849811E 03 RTGN = 0.10537287E 03 FPAA = -0.16905878E-00
ZL = -0.36846776E 07 RLDT = 0.35572632E 01 DRAG = 0.47407505E 05 RTGL = 0.13374104E 04 PSAV = 0.5125601E 02

23 FEB. 1970 22 HR 27 MIN 54.33 SEC TMST 777174.3359 J.D. 244 641.4361 8 DAY 23 HR 52.9 MIN

X = 0.11564709E 08 XD = 0.23235682E 05 ALT = 0.19123025E 06 LAT = -0.23616049E 02 VI = 0.29675295E 05
Y = -0.15525000E 08 YD = 0.10302284E 05 R = 0.21105789E 08 LONG = 0.17631391E 03 FPAL = -0.26915555E-00
Z = -0.84075120E 07 ZD = 0.13275487E 05 RDOT = -0.13470602E 03 FLP = 0.17715584E 05 PSIV = 0.53821214E 02
XL = 0.16871769E 08 TAG = 0.30000000E 01 GLOAD = 0.53193466E 01 FLY = -0.51344703E 04 VA = 0.27464141E 05
YL = -0.11817490E 08 ROLL = 0.10616306E 03 ACC = 0.17444797E 03 RTGN = 0.91979609E 02 FPAA = -0.25102386E-00
ZL = -0.36846776E 07 RLDT = 0.33421703E 01 DRAG = 0.46111599E 05 RTGL = 0.13156318E 04 PSAV = 0.58340559E 02

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23 FEB. 1970 22 HR 27 MIN 59.33 SEC TMST 777179.3359 J.D. 244 641.4361 8 DAY 23 HR 53.0 MIN

X = 0.11678811E 08 XD = 0.22407182E 05 ALT = 0.19022350E 06 LAT = -0.23420160E 02 VI = 0.27895250E 05
Y = -0.15474111E 08 YD = 0.10054943E 05 R = 0.21104957E 08 LONG = 0.17665331E 03 FPAI = -0.41210458E -00
Z = -0.83412514E 07 ZD = 0.13227293E 05 RDOT = -0.20063713E 03 FLP = 0.17062365E 05 PSIY = 0.51127878E 02
XL = 0.16876077E 08 TAG = 0.30000000E 01 GLOAD = 0.52186395E 01 FLY = -0.60438541E 04 VA = 0.26631744E 05
YL = -0.11811337E 08 ROLL = 0.10950523E 03 ACC = 0.17187932E 03 RTGN = 0.79016065E 02 FPAA = -0.43368526E -00
ZL = -0.36846776E 07 DRAG = 0.45252935E 05 RTGL = 0.12943553E 04 PSAV = 0.57570514E 02

23 FEB. 1970 22 HR 28 MIN 4.33 SEC TMST 777184.3359 J.D. 244 641.4362 8 DAY 23 HR 53.0 MIN

X = 0.11788800E 08 XD = 0.21591412E 05 ALT = 0.18886700E 06 LAT = -0.23225733E 02 VI = 0.27125790E 05
Y = -0.15424446E 08 YD = 0.98087457E 04 R = 0.21103773E 08 LONG = 0.17697982E 03 FPAI = -0.57354132E 00
Z = -0.82752566E 07 ZD = 0.13168444E 05 RDOT = -0.27151826E 03 FLP = 0.17447722E 05 PSIY = 0.58433909E 02
XL = 0.16880382E 08 TAG = 0.30000000E 01 GLOAD = 0.51724213E 01 FLY = -0.42039349E 04 VA = 0.25930247E 05
YL = -0.11805184E 08 ROLL = 0.10354690E 03 ACC = 0.16937580E 03 RTGN = 0.66082490E 02 FPAA = -0.59946039E 00
ZL = -0.36846776E 07 RDOT = -0.11000000E 02 DRAG = 0.44867589E 05 RTGL = 0.12735961E 04 PSAV = 0.56776109E 02

23 FEB. 1970 22 HR 28 MIN 9.33 SEC TMST 777189.3359 J.D. 244 641.4362 8 DAY 23 HR 53.1 MIN

X = 0.11894927E 08 XD = 0.20885887E 05 ALT = 0.18749475E 06 LAT = -0.23032913E 02 VI = 0.26361486E 05
Y = -0.15376274E 08 YD = 0.94367764E 04 R = 0.21102570E 08 LONG = 0.17729366E 03 FPAI = -0.37072132E -00
Z = -0.82097120E 07 ZD = 0.13025164E 05 RDOT = -0.17056573E 03 FLP = 0.15431379E 05 PSIY = 0.51748946E 02
XL = 0.16884685E 08 TAG = 0.30000000E 01 GLOAD = 0.51269721E 01 FLY = 0.89406780E 04 VA = 0.25173993E 05
YL = -0.11799028E 08 ROLL = 0.60191491E 02 ACC = 0.15940789E 03 RTGN = 0.53286368E 02 FPAA = -0.34820746E -00
ZL = -0.36846776E 07 RDOT = 0. DRAG = 0.44461012E 05 RTGL = 0.12533356E 04 PSAV = 0.56226921E 02

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23 FEB. 1970 22 HR 28 MIN 14.33 SEC TMST 777194.3359 J.D. 244 641.4363 8 DAY 23 HR 53.2 MIN

X = 0.11997734E 08 XD = 0.20242255E 05 ALT = 0.18688225E 06 LAT = -0.22842137E 02 VI = 0.25612741E 05
Y = -0.15330097E 08 YD = 0.90364243E 04 R = 0.21102124E 08 LONG = 0.17759526E 03 FPAI = -0.17891680E-01
Z = -0.81450686E 07 ZD = 0.12829913E 05 RDOT = -0.79980581E 01 FLP = 0.14348231E 05 PSIV = 0.57120914E 02
XL = 0.16888986E 08 TAG = 0.30000000E 01 GLOAD = 0.494779188E 01 FLY = 0.93950143E 04 VA = 0.24432738E 05
YL = -0.11792871E 08 ROLL = 0.56783799E 02 ACC = 0.15343829E 03 RTGN = 0.41951226E 02 FPAA = -0.16755699E-01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.42876132E 05 RTGL = 0.12335369E 04 PSAV = 0.56313467E 02

23 FEB. 1970 22 HR 28 MIN 19.33 SEC TMST 777199.3359 J.D. 244 641.4363 8 DAY 23 HR 53.3 MIN

X = 0.12097399E 08 XD = 0.19631285E 05 ALT = 0.18705475E 06 LAT = -0.22653632E 02 VI = 0.24900137E 05
Y = -0.15285863E 08 YD = 0.86622517E 04 R = 0.21102460E 08 LONG = 0.17788519E 03 FPAI = 0.32540045E-00
Z = -0.80814087E 07 ZD = 0.12633086E 05 RDOT = 0.14141482E 03 FLP = 0.12912885E 05 PSIV = 0.56524288E 02
XL = 0.16893284E 08 TAG = 0.30000000E 01 GLOAD = 0.46391308E 01 FLY = 0.95637366E 04 VA = 0.23727411E 05
YL = -0.11786713E 08 ROLL = 0.53475051E 02 ACC = 0.14348491E 03 RTGN = 0.31210970E 02 FPAA = 0.34148384E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.40172104E 05 RTGL = 0.12142224E 04 PSAV = 0.54630557E 02

23 FEB. 1970 22 HR 28 MIN 24.33 SEC TMST 777204.3359 J.D. 244 641.4364 8 DAY 23 HR 53.4 MIN

X = 0.12194122E 08 XD = 0.19065958E 05 ALT = 0.18794700E 06 LAT = -0.22467470E 02 VI = 0.24239843E 05
Y = -0.15243413E 08 YD = 0.83245909E 04 R = 0.21103513E 08 LONG = 0.17816424E 03 FPAI = 0.65435858E 00
Z = -0.80187295E 07 ZD = 0.12440274E 05 RDOT = 0.27683024E 03 FLP = 0.11200844E 05 PSIV = 0.55974832E 02
XL = 0.16897581E 08 TAG = 0.30000000E 01 GLOAD = 0.42407646E 01 FLY = 0.94873680E 04 VA = 0.23073913E 05
YL = -0.11780552E 08 ROLL = 0.49734645E 02 ACC = 0.13081140E 03 RTGN = 0.21479590E 02 FPAA = 0.68742609E 00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.36697161E 05 RTGL = 0.11953659E 04 PSAV = 0.53976439E 02

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23 FEB.	1970	22	HR	28 MIN	29.46 SEC	TMS	777209.4609	J.D. 244 641.4365	H DAY 23 HR 53.5 MIN
X	= 0.12290468E 08	XD	= 0.18541121E 05	ALT	= 0.18953200E 06	LAT	= -0.22279079E 02	VI	= J.23626589E 05
Y	= -0.15201545E 08	YD	= 0.80223245E 04	R	= 0.21105260E 08	LONG	= 0.17843999E 03	FPAI	= 0.9125041E 00
Z	= -0.79554654E 07	ZD	= 0.12250912E 05	RDOT	= 0.40110580E 03	FLP	= 0.94960135E 04	PSIV	= 0.55472140E 02
XL	= 0.16901982E 08	TAG	= 0.30000000E 01	GLOAD	= 0.38026425E 01	FLY	= 0.91039650E 04	VA	= 0.27466904E 05
YL	= -0.11774237E 08	ROLL	= 0.46207495E 02	ACC	= 0.11697632E 03	RTGN	= 0.12766000E 02	FPA	= 0.1229685E 01
ZL	= -0.36846776E 07	RLDOT	= -0.91622781E 01	DRAG	= 0.32887731E 05	RTGL	= 0.11764847E 04	PSAV	= 0.53410830E 02

23 FEB.	1970	22	HR	28 MIN	34.46 SEC	TMS	777214.4609	J.D. 244 641.4365	8 DAY 23 HR 53.5 MIN
X	= 0.12382107E 08	XD	= 0.18138782E 05	ALT	= 0.19174525E 06	LAT	= -0.22097958E 02	VI	= 0.23098688E 05
Y	= -0.15162034E 08	YD	= 0.78148937E 04	R	= 0.21107627E 08	LONG	= 0.17870039E 03	FPAI	= 0.113569716E 01
Z	= -0.78948126E 07	ZD	= 0.11977538E 05	RDOT	= 0.54700945E 03	FLP	= -0.71495201E 04	PSIV	= 0.55331323E 02
XL	= 0.16906274E 08	TAG	= 0.30000000E 01	GLOAD	= 0.33379078E 01	FLY	= 0.90535789E 04	VA	= 0.21940031E 05
YL	= -0.11768073E 08	ROLL	= -0.38297795E 02	ACC	= 0.10151038E 03	RTGN	= 0.11264392E 02	FPA	= 0.14236476E 01
ZL	= -0.36846776E 07	RLDOT	= -0.14500000E 02	DRAG	= 0.28840394E 05	RTGL	= 0.11584305E 04	PSAV	= 0.53209688E 02

23 FEB.	1970	22	HR	28 MIN	39.46 SEC	TMS	777219.4609	J.D. 244 641.4366	8 DAY 23 HR 53.6 MIN
X	= 0.124711918E 08	XD	= 0.17788672E 05	ALT	= 0.19448500E 06	LAT	= -0.21921338E 02	VI	= 0.222644876E 05
Y	= -0.15123011E 08	YD	= 0.78050744E 04	R	= 0.21110516E 08	LONG	= 0.17895496E 03	FPAI	= 0.15142239E 01
Z	= -0.78357955E 07	ZD	= 0.11631628E 05	RDOT	= 0.99839349E 03	FLP	= -0.81581438E 04	PSIV	= 0.55662031E 02
XL	= 0.16910564E 08	TAG	= 0.30000000E 01	GLOAD	= 0.28949229E 01	FLY	= 0.57665630E 04	VA	= 0.21480282E 05
YL	= -0.11761909E 08	ROLL	= -0.54651960E 02	ACC	= 0.91244808E 02	RTGN	= 0.16824022E 02	FPA	= 0.15963415E 01
ZL	= -0.36846776E 07	RLDOT	= 0.13000000E 02	DRAG	= 0.25004953E 05	RTGL	= 0.11406698E 04	PSAV	= 0.53494346E 02

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23 FEB. 1970 22 HR 28 MIN 44.46 SEC TMST 777224.4609 J.D. 244 641.4366 8 DAY 23 HR 53.7 MIN

X = 0.12560087E 08 XD = 0.17485802E 05 ALT = 0.19751425E 06 LAT = -0.21749178E 02 VI = 0.22250758E 05
Y = -0.15084096E 08 YD = 0.77555183E 04 R = 0.21113690E 08 LON = 0.17920490E 03 FPAI = 0.1353359E 01
Z = -0.77783154E 07 LD = 0.11366392E 05 RDOT = 0.67381290E 03 FLP = -0.39205845E 04 PSIV = 0.5824043E 02
XL = 0.16914851E 08 TAG = 0.30000000E 01 GLOAD = 0.24899375E 01 FLY = 0.76512036E 34 VA = 0.21082492E 05
YL = -0.11755742E 08 ROLL = -0.27125164E 02 ACC = 0.75581533E 02 RTGN = 0.23337914E 02 FPAA = 0.18315306E 01
ZL = -0.36846776E 07 DRAG = 0.21497458E 05 RTGL = 0.11232725E 04 PSAV = 0.53637260E 02

23 FEB. 1970 22 HR 28 MIN 49.46 SEC TMST 777229.4609 J.D. 244 641.4367 8 DAY 23 HR 53.8 MIN

X = 0.12646826E 08 XD = 0.17214371E 05 ALT = 0.20092175E 06 LAT = -0.21580373E 02 VI = 0.21911272E 05
Y = -0.15045457E 08 YD = 0.77004317E 04 R = 0.21117238E 08 LON = 0.17945040E 03 FPAI = 0.19442048E 01
Z = -0.77220320E 07 LD = 0.11156729E 05 RDOT = 0.74336756E 03 FLP = -0.22389434E 04 PSIV = 0.5894542E 02
XL = 0.16919136E 08 TAG = 0.30000000E 01 GLOAD = 0.21200438E 01 FLY = 0.69676016E 04 VA = 0.20740833E 05
YL = -0.11749574E 08 ROLL = -0.17814097E 02 ACC = 0.64315578E 02 RTGN = 0.25790047E 02 FPAA = 0.20539651E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.18296233E 05 RTGL = 0.11062075E 04 PSAV = 0.53672516E 02

23 FEB. 1970 22 HR 28 MIN 54.46 SEC TMST 777234.4609 J.D. 244 641.4368 8 DAY 23 HR 53.9 MIN

X = 0.12732274E 08 XD = 0.16968829E 05 ALT = 0.20463925E 06 LAT = -0.21414195E 02 VI = 0.21621219E 05
Y = -0.15007062E 08 YD = 0.76614777E 04 R = 0.21121094E 08 LON = 0.17969186E 33 FPAI = 0.21081157E 01
Z = -0.76666740E 07 LD = 0.10992622E 05 RDOT = 0.79534212E 03 FLP = -0.18968209E 04 PSIV = 0.55920490E 02
XL = 0.16923419E 08 TAG = 0.30000000E 01 GLOAD = 0.17968458E 01 FLY = 0.59029149E 04 VA = 0.20449230E 05
YL = -0.11743405E 08 ROLL = -0.17814097E 02 ACC = 0.55547477E 02 RTGN = 0.27315016E 02 FPAA = 0.222894963E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.15500471E 05 RTGL = 0.10894202E 04 PSAV = 0.53665054E 02

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23 FEB. 1970 22 HR 28 MIN 59.46 SEC TMSI 777239.4609 J.D. 244 641.4368 R DAY 23 HR 54.0 MIN

X = 0.12816552E 08 XD = 0.16746209E 05 ALT = 0.20857150E 06 LAT = -0.21250183E 02 VI = 0.21374440E 05
Y = -0.14968805E 08 YD = 0.76448239E 04 R = 0.21125161E 08 LONG = 0.17922978E 03 FPAI = 0.22225111E 01
Z = -0.76120500E 07 LD = 0.10862222E 05 RDOT = 0.87890454E 03 FLP = -0.16036887E 04 PSIV = 0.55931396E 02
XL = 0.16927699E 08 TAG = 0.30000000E 01 GLOAD = 0.15198931E 01 FLY = 0.49906864E 04 VA = 0.26201078E 05
YL = -0.11737234E 08 ROLL = -0.17814097E 02 ACC = 0.48451606E 02 RTGN = 0.28472184E 02 FPAA = 0.23516751E 01
ZL = -0.36846776E 07 DRAG = 0.13105049E 05 RTGL = 0.13728620E 04 PSAV = 0.53645722E 02

23 FEB. 1970 22 HR 29 MIN 4.46 SEC TMSI 777244.4609 J.D. 244 641.4369 H DAY 23 HR 54.0 MIN

X = 0.12899769E 08 XD = 0.16543379E 05 ALT = 0.21263425E 06 LAT = -0.21087963E 02 VI = 0.21165063E 05
Y = -0.14930582E 08 YD = 0.76473898E 04 R = 0.21129357E 08 LONG = 0.18016463E 03 FPAI = 0.22934187E 01
Z = -0.75580038E 07 LD = 0.10760759E 05 RDOT = 0.84696274E 03 FLP = -0.13505739E 04 PSIV = 0.55928944E 02
XL = 0.169311978E 08 TAG = 0.30000000E 01 GLOAD = 0.12806082E 01 FLY = 0.42029918E 04 VA = 0.17990484E 05
YL = -0.11731061E 08 ROLL = -0.17814097E 02 ACC = 0.42789244E 02 RTGN = 0.29365248E 02 FPAA = 0.24232526E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.11036641E 05 RTGL = 0.10565000E 04 PSAV = 0.51615937E 02

23 FEB. 1970 22 HR 29 MIN 9.46 SEC TMSI 777249.4609 J.D. 244 641.4369 C DAY 23 HR 54.1 MIN

X = 0.12982014E 08 XD = 0.16357494E 05 ALT = 0.21675575E 06 LAT = -0.20927210E 02 VI = 0.20987860E 05
Y = -0.14892304E 08 YD = 0.76664481E 04 R = 0.21133609E 08 LONG = 0.18039681E 03 FPAI = 0.23264264E 01
Z = -0.75044014E 07 LD = 0.10684017E 05 RDOT = 0.85195274E 03 FLP = -0.11349477E 04 PSIV = 0.55914765E 02
XL = 0.16936254E 08 TAG = 0.30000000E 01 GLOAD = 0.10766208E 01 FLY = 0.35319622E 04 VA = 0.17812202E 05
YL = -0.11724887E 08 ROLL = -0.17814097E 02 ACC = 0.38459880E 02 RTGN = 0.29974888E 02 FPAA = 0.24645610E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.92745834E 04 RTGL = 0.10403052E 04 PSAV = 0.51577356E 02

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23 FEB. 1970 22 HR 29 MIN 14.46 SEC TMST 777254.4609 J.D. 244 641.4370 8 DAY 23 HR 54.2 MIN

X = 0.13063367E 08 XD = 0.16185885E 05 ALT = 0.22087600E 06 LAT = -0.20767654E 02 VI = 0.20837993E 05

Y = -0.14853895E 08 YD = 0.76994772E 04 R = 0.21137859E 08 LONG = 0.18062665E 03 FPAI = 0.23268619E 01

Z = -0.74511291E 07 ID = 0.10628130E 05 RDOT = 0.84602747E 03 FLP = -0.95321091E 03 PSIV = 0.55890506E 02

XL = 0.16940528E 08 GLOAD = 0.90456852E 00 FLY = 0.29663965E 04 VA = 0.19661377E 05

YL = -0.11718710E 08 ROLL = -0.17814097E 02 ACC = 0.35298652E 02 RTGN = 0.30359780E 02 FPAA = 0.24661960E 01

ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.77894639E 04 RTGL = 0.10242528E 04 PSAV = 0.53530428E 02

23 FEB. 1970 22 HR 29 MIN 19.46 SEC TMST 777259.4609 J.D. 244 641.4370 8 DAY 23 HR 54.3 MIN

X = 0.13143893E 08 XD = 0.16026149E 05 ALT = 0.22494425E 06 LAT = -0.20609061E 02 VI = 0.20711139E 05

Y = -0.14815290E 08 YD = 0.77442218E 04 R = 0.21142055E 08 LONG = 0.18085444E 03 FPAI = 0.22995974E 01

Z = -0.73980913E 07 ID = 0.10589658E 05 RDOT = 0.83102973F 03 FLP = -0.80127592E 03 PSIV = 0.55857729E 02

XL = 0.16944800E 08 TAG = 0.30000000E 01 GLOAD = 0.76064369E 00 FLY = 0.24935742E 04 VA = 0.19533671E 05

YL = -0.11712533E 08 ROLL = -0.17814097E 02 ACC = 0.33100434E 02 RTGN = 0.3055633E 02 FPAA = 0.246382972E 01

ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.65478792E 04 RTGL = 0.10083211E 04 PSAV = 0.53477324E 02

23 FEB. 1970 22 HR 29 MIN 24.46 SEC TMST 777264.4609 J.D. 244 641.4371 8 DAY 23 HR 54.4 MIN

X = 0.13223645E 08 XD = 0.15875783E 05 ALT = 0.22892075E 06 LAT = -0.20451226E 02 VI = 0.20633394E 05

Y = -0.14776439E 08 YD = 0.77962593E 04 R = 0.21146157E 08 LONG = 0.18108043E 03 FPAI = 0.22509691E 01

Z = -0.73452064E 07 ZD = 0.10567767E 05 RDOT = 0.80923365E 03 FLP = -0.81067822E 02 PSIV = 0.55838947E 02

XL = 0.16949069E 08 TAG = 0.30000000E 01 GLOAD = 0.64092848E 00 FLY = 0.22047820E 04 VA = 0.19425302E 05

YL = -0.11706354E 08 ROLL = -0.21057649E 01 ACC = 0.31298635E 02 RTGN = 0.30441031E 02 FPAA = 0.23875626E 01

ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.55156799E 04 RTGL = 0.99249639E 03 PSAV = 0.53409425E 02

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23 FEB. 1970 22 HR 29 MIN 29.46 SEC TMST 777269.4609 J.D. 244 641.4372 8 DAY 23 HR 54.5 MIN

X = 0.13302662E 08 XD = 0.15732417E 05 ALT = 0.23277700E 06 LAT = -0.20293920E 02 VI = 0.20511423E 05
Y = -0.14737322E 08 YD = 0.78521509E 04 R = 0.21150138E 08 LONG = 0.18130475E 03 FPAI = 0.21852678E 01
Z = -0.72923864E 07 LD = 0.10561878E 05 RDOT = 0.78211845E 03 FLP = -0.75264363E 02 PSIV = 0.55737819E 02
XL = 0.16953336E 08 TAG = 0.30000000E 01 GLOAD = 0.54164225E 00 FLY = 0.18624902E 04 VA = 0.19333039E 05
YL = -0.11700173E 08 ROLL = -0.23140982E 01 ACC = 0.30437061E 02 RTGN = 0.29916844E 02 FPAA = 0.23185350E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.46600259E 04 RTGL = 0.97676748E 03 PSAV = 0.53319662E 02

23 FEB. 1970 22 HR 29 MIN 34.46 SEC TMST 777274.4609 J.D. 244 641.4372 8 DAY 23 HR 54.5 MIN

X = 0.13380980E 08 XD = 0.15595750E 05 ALT = 0.23648425E 06 LAT = -0.20136994E 02 VI = 0.20432831E 05
Y = -0.14697905E 08 YD = 0.79157261E 04 R = 0.21153970E 08 LONG = 0.18152758E 03 FPAI = 0.21024560E 01
Z = -0.72395731E 07 LD = 0.10564774E 05 RDOT = 0.74960996E 03 FLP = -0.63839496E 02 PSIV = 0.55665785E 02
XL = 0.16957601E 08 TAG = 0.30000000E 01 GLOAD = 0.45949410E-00 FLY = 0.15797707E 04 VA = 0.19254170E 05
YL = -0.11693991E 08 ROLL = -0.23140982E 01 ACC = 0.29953094E 02 RTGN = 0.29354900E 02 FPAA = 0.22312239E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.39526502E 04 RTGL = 0.96111133E 03 PSAV = 0.53230513E 02

23 FEB. 1970 22 HR 29 MIN 39.46 SEC TMST 777279.4609 J.D. 244 641.4373 8 DAY 23 HR 54.6 MIN

X = 0.13458628E 08 XD = 0.15464477E 05 ALT = 0.24001925E 06 LAT = -0.19980353E 02 VI = 0.20305336E 05
Y = -0.14658154E 08 YD = 0.79855907E 04 R = 0.21157627E 08 LONG = 0.18174906E 03 FPAI = 0.20053802E 01
Z = -0.71867268E 07 LD = 0.10574838E 05 RDOT = 0.71265116E 03 FLP = -0.54401749E 02 PSIV = 0.55593121E 02
XL = 0.16961863E 08 TAG = 0.30000000E 01 GLOAD = 0.39178382E-00 FLY = 0.13462244E 04 VA = 0.19186416E 05
YL = -0.11687808E 08 ROLL = -0.23140982E 01 ACC = 0.29716629E 02 RTGN = 0.28761910E 02 FPAA = 0.21266583E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.33683080E 04 RTGL = 0.74551726E 03 PSAV = 0.53142029E 02

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23 FEB. 1970 22 HR 29 MIN 44.46 SEC TMST 777284.4609 J.D. 244 641.4373 8 DAY 23 HR 54.7 MIN

X = 0.13535632E 08 XD = 0.15337522E 05 ALT = 0.243336050E 06 LAT = -0.19823915E 02 VI = 0.20307051E 05
Y = -0.14618040E 08 YD = 0.80605867E 04 R = 0.2116109UE 08 LONG = 0.18196932E 03 FPAI = 0.19964199E 01
Z = -0.71338150E 07 ZD = 0.10590735E 05 RDOT = 0.67201572E 03 FLP = -0.46801795E 02 PSIV = 0.5520061E 02
XL = 0.16966123E 08 TAG = 0.30000000E 01 GLOAD = 0.33709666E-00 FLY = 0.11581561E 04 VA = 0.19127890E 05
UL = -0.11681623E 08 ROLL = -0.23140982E 01 ACC = 0.29634847E 02 RTGN = 0.28143357E 02 FPAA = 0.20133750E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.28977536E 04 RTGL = 0.92997675E 03 PSAV = 0.53054255E 02

23 FEB. 1970 22 HR 29 MIN 49.46 SEC TMST 777289.4609 J.D. 244 641.4374 8 DAY 23 HR 54.8 MIN

X = 0.13612009E 08 XD = 0.15214006E 05 ALT = 0.24649175E 06 LAT = -0.19667616E 02 VI = 0.20256421E 05
Y = -0.14577541E 08 YD = 0.81397579E 04 R = 0.21164342E 08 LONG = 0.18218847E 03 FPAI = 0.17775542E 01
Z = -0.70808115E 07 ZD = 0.10611360E 05 RDOT = 0.62833790E 03 FLP = -0.40552588E 02 PSIV = 0.55446807E 02
XL = 0.16970382E 08 TAG = 0.30000000E 01 GLOAD = 0.29206544E-00 FLY = 0.10035134E 04 VA = 0.19077040E 05
UL = -0.11675436E 08 ROLL = -0.23140982E 01 ACC = 0.296461688E 02 RTGN = 0.27503799E 02 FPAA = 0.148674852E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.25108311E 04 RTGL = 0.91448252E 03 PSAV = 0.52967227E 02

23 FEB. 1970 22 HR 29 MIN 54.46 SEC TMST 777294.4609 J.D. 244 641.4374 8 DAY 23 HR 54.9 MIN

X = 0.13687776E 08 XD = 0.15093194E 05 ALT = 0.24939850E 06 LAT = -0.19511403E 02 VI = 0.20212139E 05
Y = -0.14536637E 08 YD = 0.82222953E 04 R = 0.21167369E 08 LONG = 0.18240660E 03 FPAI = 0.16504554E 01
Z = -0.70276951E 07 ZD = 0.10635786E 05 RDOT = 0.58214797E 03 FLP = -0.35372737E 02 PSIV = 0.55373533E 02
XL = 0.16974637E 08 TAG = 0.30000000E 01 GLOAD = 0.25472794E-00 FLY = 0.87533293E 03 VA = 0.19032558E 05
UL = -0.11669248E 08 ROLL = -0.23140982E 01 ACC = 0.29698222E 02 RTGN = 0.26847131E 02 FPAA = 0.17527785E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.21901184E 04 RTGL = 0.89902857E 03 PSAV = 0.52880977E 02

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23 FEB. 1970 22 HR 29 MIN 59.46 SEC TMST 777299.4609 J.D. 244 641.4375 8 DAY 23 HR 55.0 MIN

X = 0.13762945E 08 XD = 0.14974479E 05 ALT = 0.25207025E 06 LAT = -0.119355228E 02 VI = 0.2017311E 05
Y = -0.14495314E 0H YD = 0.83075181E 04 R = 0.21170160E 08 LONG = 0.18262378E 03 FPAI = 0.15165351E 01
Z = -0.69744487E 07 ZD = 0.10663233E 05 RDOT = 0.53389024E 03 FLP = -0.31040364E 02 PSIV = 0.55300381E 02
XL = 0.16978891E 08 TAG = 0.30000000E 01 GLOAD = 0.22349030E-00 FLY = 0.76812412E 03 VA = 0.1893352E 05
YL = -0.11663058E 08 ROLL = -0.23140982E 01 ACC = 0.29780914E 02 RTGN = 0.26176476E 02 FPAA = 0.16107584E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.19218777E 04 RTGL = 0.88361024E 03 PSAV = 0.52715528E 02

23 FEB. 1970 22 HR 30 MIN 4.46 SEC TMST 777304.4609 J.D. 244 641.4376 8 DAY 23 HR 55.0 MIN

X = 0.13837524E 08 XD = 0.14857383E 05 ALT = 0.25449725E 06 LAT = -0.119199058E 02 VI = 0.20138470E 05
Y = -0.14453558E 08 YD = 0.83948854E 04 R = 0.21172706E 08 LONG = 0.18284008E 03 FPAI = 0.13769183E 01
Z = -0.69210587E 07 ZD = 0.10693084E 05 RDOT = 0.48391626E 03 FLP = -0.27697062E 02 PSIV = 0.55227469E 02
XL = 0.16983142E 08 TAG = 0.30000000E 01 GLOAD = 0.19346044E-00 FLY = 0.68539085E 03 VA = 0.18958556E 05
YL = -0.11656867E 08 ROLL = -0.23140982E 01 ACC = 0.29864238E 02 RTGN = 0.25494346E 02 FPAA = 0.14626338E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.17148757E 04 RTGL = 0.86822298E 03 PSAV = 0.52710905E 02

23 FEB. 1970 22 HR 30 MIN 9.46 SEC TMST 777309.4609 J.D. 244 641.4376 8 DAY 23 HR 55.1 MIN

X = 0.13911521E 08 XD = 0.14741519E 05 ALT = 0.25667125E 06 LAT = -0.13042861E 02 VI = 0.20107510E 05
Y = -0.14411362E 08 YD = 0.84839536E 04 R = 0.21174997E 08 LONG = 0.18305556E 03 FPAI = 0.12325341E 01
Z = -0.68675146E 07 ZD = 0.10724836E 05 RDOT = 0.43251493E 03 FLP = -0.24858585E 02 PSIV = 0.55154891E 02
XL = 0.16987391E 08 TAG = 0.30000000E 01 GLOAD = 0.17896643E-00 FLY = 0.61514996E 03 VA = 0.13927465E 05
YL = -0.11650674E 08 ROLL = -0.23140982E 01 ACC = 0.29950205E 02 RTGN = 0.24802944E 02 FPAA = 0.13793916E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.15391301E 04 RTGL = 0.85286351E 03 PSAV = 0.52627120E 02

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23 FEB. 1970 22 HR 30 MIN 14.46 SEC TMST 777314.4609 J.D. 244 641.4377 8 DAY 23 HR 55.2 MIN

X = 0.13984940E 08 XD = 0.14626527E 05 ALT = 0.2585R600E 06 LAT = -0.1886611E 02 VI = 0.20079552E 05
Y = -0.14368717E 08 YD = 0.85742914E 04 R = 0.21177029E 08 LONG = 0.18327024E 03 FPAI = 0.15842584E 01
Z = -0.68138081E 07 ZD = 0.10758004E 05 RDOT = 0.37996032E 03 FLP = -0.22639044E 02 PSIV = 0.55082744E 02
XL = 0.16991638E 08 TAG = 0.30000000E 01 GLOAD = 0.16298828E-00 FLY = 0.56022526E 03 VA = 0.1889399E 05
YL = -0.11644479E 08 ROLL = -0.23140982E 01 ACC = 0.30024895E 02 RTGN = 0.24104113E 02 FPAA = 0.11519729E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.14017063E 04 RTGL = 0.83752902E 03 PSAV = 0.52544192E 02

23 FEB. 1970 22 HR 30 MIN 19.46 SEC TMST 777319.4609 J.D. 244 641.4377 8 DAY 23 HR 55.3 MIN

X = 0.14057787E 08 XD = 0.14512175E 05 ALT = 0.26023650E 06 LAT = -0.18730289E 02 VI = 0.20054166E 05
Y = -0.14325617E 08 YD = 0.86656271E 04 R = 0.21178795E 08 LONG = 0.18348419E 03 FPAI = 0.93266574E 00
Z = -0.67599327E 07 ZD = 0.10792280E 05 RDOT = 0.32642907E 03 FLP = -0.20765043E 02 PSIV = 0.55011082E 02
XL = 0.16995882E 08 TAG = 0.30000000E 01 GLOAD = 0.14945231E-00 FLY = 0.51385127F 03 VA = 0.18873931E 05
YL = -0.11638284E 08 ROLL = -0.23140982E 01 ACC = 0.30094294E 02 RTGN = 0.23399134E 02 FPAA = 0.9099470E 00
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.12856767E 04 RTGL = 0.82221687E 03 PSAV = 0.52462128E 02

23 FEB. 1970 22 HR 30 MIN 24.46 SEC TMST 777324.4609 J.D. 244 641.4378 8 DAY 23 HR 55.4 MIN

X = 0.14130063E 08 XD = 0.14398229E 05 ALT = 0.26161800E 06 LAT = -0.18573883E 02 VI = 0.20030904E 05
Y = -0.14282059E 08 YD = 0.87576714E 04 R = 0.21180292E 08 LONG = 0.18369742E 03 FPAI = 0.17834530E 00
Z = -0.67058840E 07 ZD = 0.10827341E 05 RDOT = 0.27210522E 03 FLP = -0.19358319E 02 PSIV = 0.54939970E 02
XL = 0.17000125E 08 TAG = 0.30000000E 01 GLOAD = 0.13931215E-00 FLY = 0.47904050E 03 VA = 0.18850610E 05
YL = -0.11632085E 08 ROLL = -0.23140982E 01 ACC = 0.30147854E 02 RTGN = 0.22689084E 02 FPAA = 0.82708468E 00
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.11985787E 04 RTGL = 0.80692526E 03 PSAV = 0.52380939E 02

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23 FEB. 1970 22 HR 30 MIN 29.46 SEC TMSF 777329.4609 J.D. 244 641.4379 8 DAY 23 HR 55.5 MIN

X = 0.142011770E 08 XD = 0.14284505E 05 ALT = 0.26272700E 06 LAT = -0.18417376E 02 VI = 0.20009399E 05
Y = -0.14238040E 08 YD = 0.88501871E 04 R = 0.21181515E 08 LONG = 0.18390997E 03 FPAL = 0.62177681E 00
Z = -0.66516585E 07 ZD = 0.10862926E 05 RDOT = 0.21713880E 03 FLP = -0.18228509E 02 PSIV = 0.54869451E 02
XL = 0.17004365E 08 TAG = 0.30000000E 01 GLOAD = 0.13115404E-00 FLY = 0.45108226E 03 VA = 0.18829071E 05
YL = -0.11625886E 08 ROLL = -0.23140982E 01 ACC = 0.30192095E 02 RTGN = 0.21975396E 02 FPAA = 0.66075591E 00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.11286261E 04 RTGL = 0.79165218E 03 PSAV = 0.52300630E 02

23 FEB. 1970 22 HR 30 MIN 34.58 SEC TMSF 777334.5859 J.D. 244 641.4379 8 DAY 23 HR 55.5 MIN

X = 0.14274679E 08 XD = 0.14168017E 05 ALT = 0.26357750E 06 LAT = -0.18256840E 02 VI = 0.19888881E 05
Y = -0.14192439E 08 YD = 0.89453107E 04 R = 0.21182483E 08 LONG = 0.18412715E 03 FPAL = 0.45935242E-00
Z = -0.65958918E 07 ZD = 0.10899728E 05 RDOT = 0.16025338E 03 FLP = -0.17358050E 02 PSIV = 0.54797844E 02
XL = 0.17008709E 08 TAG = 0.30000000E 01 GLOAD = 0.12485492E-00 FLY = 0.42954190E 03 VA = 0.18808545E 05
YL = -0.11619530E 08 ROLL = -0.23140982E 01 ACC = 0.30225643E 02 RTGN = 0.21240499E 02 FPAA = 0.48818094E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.10747312E 04 RTGL = 0.77601532E 03 PSAV = 0.52219237E 02

23 FEB. 1970 22 HR 30 MIN 39.58 SEC TMSF 777339.5859 J.D. 244 641.4380 8 DAY 23 HR 55.6 MIN

X = 0.14345235E 08 XD = 0.14054307E 05 ALT = 0.26412650E 06 LAT = -0.18100104E 02 VI = 0.19970058E 05
Y = -0.14147480E 08 YD = 0.90382080E 04 R = 0.21183145E 08 LONG = 0.18433840E 03 FPAL = 0.29937432E-00
Z = -0.65413032E 07 ZD = 0.10935742E 05 RDOT = 0.10436432E 03 FLP = -0.16803786E 02 PSIV = 0.54728666E 02
XL = 0.17012944E 08 TAG = 0.30000000E 01 GLOAD = 0.12081977E-00 FLY = 0.41582609E 03 VA = 0.18789739E 05
YL = -0.11613328E 08 ROLL = -0.23140982E 01 ACC = 0.30244413E 02 RTGN = 0.20521176E 02 FPAA = 0.31818094E-00
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.10404137E 04 RTGL = 0.76077599E 03 PSAV = 0.52140734E 02

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23 FEB. 1970 22 HR 30 MIN 44.58 SEC TMST 777344.5859 J.D. 244 641.4380 8 DAY 23 HR 55.7 MIN
 X = 0.14415222E 08 XD = 0.13940390E 05 ALT = 0.26439550E 06 LAT = -0.17943240E 02 VI = 0.19952094E 05
 Y = -0.14102057E 08 YD = 0.91309824E 04 R = 0.21183526E 08 LONG = 0.18454902E 03 FPAI = 0.13829681E-00
 Z = -0.64865346E 07 ZD = 0.10971633E 05 RDOT = 0.48159063E 02 FLP = -0.16543133E 02 PSIV = 0.54660215E 02
 XL = 0.17017177E 08 TAG = 0.30000000E 01 GLOAD = 0.11890569E-00 FLY = 0.40937600E 03 VA = 0.18771817E 05
 YL = -0.11607124E 08 ROLL = -0.23140982E 01 ACC = 0.30247770E 02 RTGN = 0.19800315E 02 FPAA = 0.14699335E-00
 ZL = -0.36846776E 07 DRAG = 0.10242753E 04 RTGL = 0.74555183E 03 PSAV = 0.52063133E 02
 EQUILIBRIUM GLIDE PHASE BEGAN AT 0.27587499E 03 SECONDS WITH VELOCITY = 0.19934721E 05 AND ROOT = -J.81950290E 01

23 FEB. 1970 22 HR 30 MIN 49.58 SEC TMST 777349.5859 J.D. 244 641.4381 8 DAY 23 HR 55.8 MIN
 X = 0.14484639E 08 XD = 0.13826150E 05 ALT = 0.26438375E 06 LAT = -0.1786250E 02 VI = 0.19934721E 05
 Y = -0.14056171E 08 YD = 0.92234518E 04 R = 0.21183626E 08 LONG = 0.18475904E 03 FPAI = -0.23553901E-01
 Z = -0.64315874E 07 ZD = 0.11007208E 05 RDOT = -0.81950290E 01 FLP = -0.16522611E 02 PSIV = 0.545492533E 02
 XL = 0.17021408E 08 TAG = 0.60000000E 01 GLOAD = 0.11871584E-00 FLY = 0.40886681E 03 VA = 0.16754510E 05
 YL = -0.11600919E 08 ROLL = -0.23140982E 01 ACC = 0.30238059E 02 RTGN = 0.19078482E 02 FPAA = -0.25035204E-01
 ZL = -0.36846776E 07 RLDOT = 0.10230047E 04 RTGL = 0.73034206E 03 PSAV = 0.51986443E 02

23 FEB. 1970 22 HR 30 MIN 54.58 SEC TMST 777354.5859 J.D. 244 641.4381 8 DAY 23 HR 55.9 MIN
 X = 0.14553483E 08 XD = 0.13711.614E 05 ALT = 0.26409100E 06 LAT = -0.17629134E 02 VI = 0.19917724E 05
 Y = -0.14009823E 08 YD = 0.93159573E 04 R = 0.21183444E 08 LONG = 0.18496848E 03 FPAI = -0.16613119E-00
 Z = -0.63764642E 07 ZD = 0.11041.755E 05 RDOT = -0.64704762E 02 FLP = -0.88422547E 02 PSIV = 0.54527802E 02
 XL = 0.17025637E 08 TAG = 0.60000000E 01 GLOAD = 0.12024099E-00 FLY = 0.40506355E 03 VA = 0.18737571E 05
 YL = -0.11594712E 08 ROLL = -0.12314098E 02 ACC = 0.30247073E 02 RTGN = 0.183H3032E 02 FPAA = -0.19785265E-00

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ZL = -0.36846776E 07 RLDOT = 0.

DRAG = 0.10365056E 04 RTGL = 0.71514562E 03 PSAV = 0.51912951E 02

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23 FEB. 1970 22 HR 30 MIN 59.58 SEC TMST 777359.5859 J.D. 244 641.4382 8 DAY 23 HR 56.0 MIN
 X = 0.14621754E 08 XD = 0.13596622E 05 ALT = 0.26351650E 06 LAT = -0.17471907E 02 VI = 0.19906821E 05
 Y = -0.13963012E 08 YD = 0.94081368E 04 R = 0.21182979E 08 LONG = 0.18517734E 03 FPAI = -0.34906535E-00
 Z = -0.63211713E 07 ZD = 0.11075266E 05 RDOT = -0.12124181E 03 FLP = -0.91141120E 02 PSIV = 0.54465315E 02
 XL = 0.17029863E 08 TAG = 0.60000000E 01 GLOAD = 0.1238251E-00 FLY = 0.41751733E 03 VA = 0.18720726E 05
 YL = -0.11588504E 08 ROLL = -0.12314098E 02 ACC = 0.30207819E 02 RTGN = 0.17704540E 02 FPAA = -0.31106795E-03
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.10683733E 04 RTGL = 0.69996234E 03 PSAV = 0.51841871E 02

23 FEB. 1970 22 HR 31 MIN 4.58 SEC TMST 777364.5859 J.D. 244 641.4383 8 DAY 23 HR 56.0 MIN
 X = 0.14689448E 08 XD = 0.13480990E 05 ALT = 0.26266025E 06 LAT = -0.17314569E 02 VI = 0.19883677E 05
 Y = -0.13915743E 08 YD = 0.94994602E 04 R = 0.21182232E 08 LONG = 0.18538563E 03 FPAI = -0.51182022E 00
 Z = -0.62657132E 07 ZD = 0.11107825E 05 RDOT = -0.17761749E 03 FLP = -0.95343444E 02 PSIV = 0.54403870E 02
 XL = 0.17034087E 08 TAG = 0.60000000E 01 GLOAD = 0.12954871E-00 FLY = 0.43676817E 03 VA = 0.18736655E 05
 YL = -0.11582294E 08 ROLL = -0.12314098E 02 ACC = 0.30152960E 02 RTGN = 0.17027737E 02 FPAA = -0.54411079E 00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.11176337E 04 RTGL = 0.68479271E 03 PSAV = 0.51771879E 02

23 FEB. 1970 22 HR 31 MIN 9.58 SEC TMST 777369.5859 J.D. 244 641.4383 8 DAY 23 HR 56.1 MIN
 X = 0.14756563E 08 XD = 0.13364622E 05 ALT = 0.26152300E 06 LAT = -0.17157130E 02 VI = 0.19866009E 05
 Y = -0.13868019E 08 YD = 0.95897385E 04 R = 0.21181203E 08 LONG = 0.1859336E 03 FPAI = -0.67409527E 00
 Z = -0.62100950E 07 ZD = 0.11139215E 05 RDOT = -0.233712182E 03 FLP = -0.10095552E 03 PSIV = 0.54343572E 02
 XL = 0.17038309E 08 TAG = 0.60000000E 01 GLOAD = 0.13712861E-00 FLY = 0.46247708E 03 VA = 0.18686091F 05
 YL = -0.11576083E 08 ROLL = -0.12314098E 02 ACC = 0.300083856E 02 RTGN = 0.16353753E 02 FPAA = -0.71666186E 00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.11834195E 04 RTGL = 0.66963692E 03 PSAV = 0.51703047E 02

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23 FEB. 1970 22 HR 31 MIN 14.58 SEC TMST 777374.5859 J.D. 244 641.4384 8 DAY 23 HR 56.2 MIN
 X = 0.14823093E 08 XD = 0.13247435E 05 ALT = 0.26010750E 06 LAT = -0.16993598E 02 VI = -0.19847541E 05
 Y = -0.13819847E 08 YD = 0.96787834E 04 R = 0.21179895E 08 LONG = 0.18580052E 03 FPAL = -0.83560619E 00
 Z = -0.61543233E 07 ZD = 0.11169221E 05 RDOT = -0.28944785E 03 FLP = -0.10795119E 03 PSIV = 0.54284523E 02
 XL = 0.17042528E 08 TAG = 0.60000000E 01 GLOAD = 0.14659086E-00 FLY = 0.49452422E 03 VA = 0.18667739E 05
 YL = -0.11569870E 08 ROLL = -0.12314098E 02 ACC = 0.30001566E 02 RTGN = 0.15683560E 02 FPAA = -0.88841977E 00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.12654240E 04 RTGL = 0.65449540E 03 PSAV = 0.51635444E 02

23 FEB. 1970 22 HR 31 MIN 19.58 SEC TMST 777379.5859 J.D. 244 641.4384 8 DAY 23 HR 56.3 MIN
 X = 0.14889035E 08 XD = 0.13129316E 05 ALT = 0.25841550E 06 LAT = -0.16841985E 02 VI = 0.19827901E 05
 Y = -0.13771234E 08 YD = 0.9763416E 04 R = 0.21178310E 08 LONG = 0.18600712E 03 FPAL = -0.99597050E 00
 Z = -0.60984056E 07 ZD = 0.11197558E 05 RDOT = -0.34465033E 03 FLP = -0.11740262E 03 PSIV = 0.54226868E 02
 XL = 0.17046745E 08 TAG = 0.60000000E 01 GLOAD = 0.15934508E-00 FLY = 0.53782122E 03 VA = 0.18648230E 05
 YL = -0.11563655E 08 ROLL = -0.12314098E 02 ACC = 0.29896913E 02 RTGN = 0.15018592E 02 FPAA = -0.10589798E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.13762155E 04 RTGL = 0.63936887E 03 PSAV = 0.51569169E 02

23 FEB. 1970 22 HR 31 MIN 24.58 SEC TMST 777384.5859 J.D. 244 641.4385 8 DAY 23 HR 56.4 MIN
 X = 0.14954385E 08 XD = 0.13010143E 05 ALT = 0.25644950E 06 LAT = -0.16684311E 02 VI = 0.19806668E 05
 Y = -0.13722187E 08 YD = 0.98521244E 04 R = 0.21176450E 08 LONG = 0.18621314E 03 FPAL = -0.11547638E 01
 Z = -0.60423511E 07 ZD = 0.11223901E 05 RDOT = -0.39916511E 03 FLP = -0.12844202E 03 PSIV = 0.54170767E 02
 XL = 0.17050960E 08 TAG = 0.60000000E 01 GLOAD = 0.17429130E-00 FLP = 0.58839269E 03 VA = 0.18627141E 05
 YL = -0.11557439E 08 ROLL = -0.12314098E 02 ACC = 0.29780585E 02 RTGN = 0.14360284E 02 FPAA = -0.12278964E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.15056214E 04 RTGL = 0.62425828E 03 PSAV = 0.51504334E 02.

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23 FEB. 1970 22 HR 31 MIN 29.58 SEC TMST 777389.5859 J.D. 244 641.4386 8 DAY 23 HR 56.5 MIN

X = 0.15019135E 08 X0 = 0.12884798E 05 ALT = 0.25421400E 06 LAT = -0.16526592E 02 VI = 0.19783403E 05
Y = -0.13672716E 08 YD = 0.99358260E 04 R = 0.21174319E 08 LUNG = 0.18641858E 03 FPAI = -0.13115517E 01
Z = -0.59861704E 07 ZD = 0.11247911E 05 RDOT = -0.45282026E 03 FLP = -0.14279003E 03 PSIV = 0.54116343E 02
XL = 0.17055173E 08 TAG = 0.60000000F 01 GLOAD = 0.19364524E-00 FLY = 0.65412091E 03 VA = 0.18604028E 05
YL = -0.11551222E 08 ROLL = -0.12314098E 02 ACC = 0.29640891E 02 RTGN = 0.13710122E 02 FPAA = -0.13947101E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.16738115E 04 RTGL = 0.60916510E 03 PSAV = 0.51441053E 02

23 FEB. 1970 22 HR 31 MIN 34.58 SEC TMST 777394.5859 J.D. 244 641.4386 8 DAY 23 HR 56.5 MIN

X = 0.15083280E 08 X0 = 0.12768112E 05 ALT = 0.25171425E 06 LAT = -0.16368855E 02 VI = 0.19757481E 05
Y = -0.13622833E 08 YD = 0.10017014E 05 R = 0.21171924E 08 LONG = 0.1862341E 03 FPAI = -0.14657391E 01
Z = -0.59298766E 07 ZD = 0.11269109E 05 RDOT = -0.50536987E 03 FLP = -0.15961042E 03 PSIV = 0.54063988E 02
XL = 0.17059384E 08 TAG = 0.60000000E 01 GLOAD = 0.21632410E-00 FLY = 0.73117506E 03 VA = 0.18578264E 05
YL = -0.11545003E 08 ROLL = -0.12314098E 02 ACC = 0.29491222E 02 RTGN = 0.13070000E 02 FPAA = -0.15587618E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.18709832E 04 RTGL = 0.59409102E 03 PSAV = 0.51379499E 02

23 FEB. 1970 22 HR 31 MIN 39.58 SEC TMST 777399.5859 J.D. 244 641.4387 8 DAY 23 HR 56.6 MIN

X = 0.15146813E 08 X0 = 0.12644897E 05 ALT = 0.24895550E 06 LAT = -0.15211133E 02 VI = 0.19728182E 05
Y = -0.13572551E 08 YD = 0.10095184E 05 R = 0.21169268E 08 LONG = 0.18682760E 03 FPAI = -0.16165188E 01
Z = -0.58734850E 07 ZD = 0.11286939E 05 RDOT = -0.55652869E 03 FLP = -0.18097564E 03 PSIV = 0.54013842E 02
XL = 0.17063592E 08 TAG = 0.60000000E 01 GLOAD = 0.24526713E-00 FLY = 0.82904912E 03 VA = 0.18549124E 05
YL = -0.11538782E 08 ROLL = -0.12314098E 02 ACC = 0.29323732E 02 RTGN = 0.12442379E 02 FPAA = -0.17192495E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.21214303E 04 RTGL = 0.57903837E 03 PSAV = 0.51319865E 02

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	23 FEB.	1970	22	HR	31 MIN	44.58 SEC	TNST	777404.5859	J.D. 244 641.4387	8 DAY 23 HR 56.7 MIN
X	= 0.15209726E 08	XD	= 0.12519961E 05	ALT	= 0.24594625E 06	LAT	= -0.16053463E 02	VI	= 0.19694720E 05	
Y	= -0.13521887E 08	YD	= 0.10169785E 05	R	= 0.21166361E 08	LONG	= 0.18703114E 03	FPAI	= -0.17632108E 01	
Z	= -0.58170138E 07	ZD	= 0.11300800E 05	RDOT	= -0.60598638E 03	FLP	= -0.20680659E 03	PSIV	= 0.53966265E 02	
XL	= 0.17067799E 08	TAG	= 0.60000000E 01	GLOAD	= 0.28012341E-00	FLY	= 0.947318065E 03	VA	= 0.18515815E 05	
YL	= -0.11532559E 08	ROLL	= -0.12314098E 02	ACC	= 0.29156531E 02	RTGN	= 0.11829359E 02	FPA	= -0.18755136E 01	
ZL	= -0.36846776E 07	RLDOT	= 0.	DRAG	= 0.24242255E 04	RTGL	= 0.56401022E 03	PSAV	= 0.51262364E 02	

	23 FEB.	1970	22	HR	31 MIN	49.58 SEC	TNST	777409.5859	J.D. 244 641.4388	8 DAY 23 HR 56.8 MIN
X	= 0.15272010E 08	XD	= 0.12393056E 05	ALT	= 0.24269575E 06	LAT	= -0.15895896E 02	VI	= 0.19656081E 05	
Y	= -0.13470860E 08	YD	= 0.10240100E 05	R	= 0.21163212E 08	LONG	= 0.18723398E 03	FPAI	= -0.19047809E 01	
Z	= -0.57604849E 07	ZD	= 0.11309910E 05	RDOT	= -0.65334013E 03	FLP	= -0.23780024E 03	PSIV	= 0.53921670E 02	
XL	= 0.17072002E 08	TAG	= 0.60000000E 01	GLOAD	= 0.32193479E-00	FLY	= 0.10893625E 04	VA	= 0.18477316E 05	
YL	= -0.11526335E 08	ROLL	= -0.12314098E 02	ACC	= 0.2906994E 02	RTGN	= 0.11234218E 02	FPA	= -0.263455E 01	
ZL	= -0.36846776E 07	RLDOT	= 0.	DRAG	= 0.27875389E 04	RTGL	= 0.54900990E 03	PSAV	= 0.51207280E 02	

	23 FEB.	1970	22	HR	31 MIN	54.58 SEC	TNST	777414.5859	J.D. 244 641.4388	8 DAY 23 HR 56.9 MIN
X	= 0.15333653E 08	XD	= 0.12263898E 05	ALT	= 0.23921550E 06	LAT	= -0.15738483E 02	VI	= 0.19611064E 05	
Y	= -0.13419495E 08	YD	= 0.10305281E 05	R	= 0.21159832E 08	LONG	= 0.18743607E 03	FPAI	= -0.20460358E 01	
Z	= -0.57039242E 07	ZD	= 0.11311348E 05	RDOT	= -0.6981110E 03	FLP	= -0.27514186E 03	PSIV	= 0.53880545E 02	
XL	= 0.17076204E 08	TAG	= 0.60000000E 01	GLOAD	= 0.3729738E-00	FLY	= 0.12604244E 04	VA	= 0.18432417E 05	
YL	= -0.11520110E 08	ROLL	= -0.12314098F 02	ACC	= 0.28902777E 02	RTGN	= 0.10660183E 02	FPA	= -0.21705436E 01	
ZL	= -0.36846776E 07	RLDOT	= 0.	DRAG	= 0.32252643E 04	RTGL	= 0.53404214E 03	PSAV	= 0.51154944E 02	

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23 FEB. 1970 22 HR 31 MIN 59.58 SEC TMST 777419.5859 J.D. 244 641.4389 8 DAY 23 HR 57.0 MIN

X = 0.15394644E 08 XD = 0.12132165E 05 ALT = 0.23552000E 06 LAT = -0.15581298E 02 VI = 0.19558265E 05
Y = -0.13367818E 08 YD = 0.10364329E 05 R = 0.21156236E 08 LONG = 0.18763734E 03 FPAI = -0.21675784E 01
Z = -0.56473627E 07 ZD = 0.11310038E 05 RDOT = -0.13973966E 03 FLP = -0.32009452E 03 PSIV = 0.53843472E 02
XL = 0.17080403E 08 TAG = 0.60000000E 01 GLOAD = 0.43292036E-00 FLY = 0.14663525E 04 VA = 0.14379703E 05
YL = -0.11513883E 08 ROLL = -0.12314098E 02 ACC = 0.28889577E 02 RTGN = 0.10111149E 02 FPAA = -0.23366428E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.37522079E 04 RTGL = 0.51911246E 03 PSAV = 0.51105753E 02

23 FEB. 1970 22 HR 32 MIN 4.58 SEC TMST 777424.5859 J.D. 244 641.4390 8 DAY 23 HR 57.0 MIN

X = 0.15454970E 08 XD = 0.11997492E 05 ALT = 0.23162675E 06 LAT = -0.15424428E 02 VI = 0.19496036E 05
Y = -0.13315864E 08 YD = 0.10416071E 05 R = 0.21152441E 08 LONG = 0.18783771E 03 FPAI = -0.22857663E 01
Z = -0.55908372E 07 ZD = 0.11298720E 05 RDOT = -0.77757147E 03 FLP = -0.37402306E 03 PSIV = 0.53811138E 02
XL = 0.17084600E 08 TAG = 0.60000000E 01 GLOAD = 0.50564321E 00 FLY = 0.17133990E 04 VA = 0.18317516E 05
YL = -0.11507655E 08 ROLL = -0.12314098E 02 ACC = 0.29037019E 02 RTGN = 0.95915215E 01 FPAA = -0.24329134E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.43843682E 04 RTGL = 0.50422773E 03 PSAV = 0.51060174E 02

23 FEB. 1970 22 HR 32 MIN 9.58 SEC TMST 777429.5859 J.D. 244 641.4390 8 DAY 23 HR 57.1 MIN

X = 0.15514614E 08 XD = 0.11859464E 05 ALT = 0.22755675E 06 LAT = -0.15267797E 02 VI = 0.19422469E 05
Y = -0.13263672E 08 YD = 0.10459140E 05 R = 0.21148468E 08 LONG = 0.18803709E 03 FPAI = -0.23926793E 01
Z = -0.55343914E 07 ZD = 0.112771935E 05 RDOT = -0.81084915E 03 FLP = -0.43832225E 03 PSIV = 0.53784162E 02
XL = 0.17088794E 08 TAG = 0.60000000E 01 GLOAD = 0.59235150E 00 FLY = 0.20079535E 04 VA = 0.18241930E 05
YL = -0.11501425E 08 ROLL = -0.12314098E 02 ACC = 0.29443526E 02 RTGN = 0.91063203E 01 FPAA = -0.25473421E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.51380955E 04 RTGL = 0.48939608E 03 PSAV = 0.51018760E 02

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23 FEB. 1970 22 HR 32 MIN 14.58 SEC TMST 777434.5859 J.D. 244 641.4391 8 DAY 23 HR 57.2 MIN

X = 0.15573558E 08 XD = 0.111717621E 05 ALT = 0.22333475E 06 LAT = -0.15112047E 02 VI = 0.17335383E 05
Y = -0.13211289E 08 YD = 0.10491970E 05 R = 0.21144342E 08 LONG = 0.18823537E 03 FPAI = -0.24861128E 01
Z = -0.54780166E 07 ZD = 0.11246020E 05 RDOT = -0.83871556E 03 FLP = -0.51430731E 03 PSIV = 0.53764091E 02
XL = 0.17092986E 08 TAG = 0.60000000E 01 GLOAD = 0.69481004E 00 FLY = 0.23560410E 04 VA = 0.18156748E 05
YL = -0.11495193E 08 ROLL = -0.12314098E 02 ACC = 0.30235828E 02 RTGN = 0.86609250E 01 FPAA = -0.26476075E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.60288065E 04 RTGL = 0.47462744E 03 PSAV = 0.50982148E 02

23 FEB. 1970 22 HR 32 MIN 19.58 SEC TMST 777439.5859 J.D. 244 641.4391 8 DAY 23 HR 57.3 MIN

X = 0.156311783E 08 XD = 0.11571459E 05 ALT = 0.21899000E 06 LAT = -0.14956806E 02 VI = 0.17232343E 05
Y = -0.13158772E 08 YD = 0.10512809E 05 R = 0.2114092E 08 LONG = 0.18843239E 03 FPAI = -0.25635808E 01
Z = -0.54219529E 07 ZD = 0.11201124E 05 RDOT = -0.86022420E 03 FLP = -0.60307883E 03 PSIV = 0.53751423E 02
XL = 0.17097176E 08 TAG = 0.60000000E 01 GLOAD = 0.81450607E 00 FLY = 0.27627032E 04 VA = 0.18053515E 05
YL = -0.11488961E 08 ROLL = -0.12314098E 02 ACC = 0.3158730E 02 RTGN = 0.82612270E 01 FPAA = -0.27310955E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.70694024E 04 RTGL = 0.45993348E 03 PSAV = 0.50951072E 02

23 FEB. 1970 22 HR 32 MIN 24.58 SEC TMST 777444.5859 J.D. 244 641.4392 8 DAY 23 HR 57.4 MIN

X = 0.15689265E 08 XD = 0.11420448E 05 ALT = 0.21455700E 06 LAT = -0.14802406E 02 VI = 0.19110713E 05
Y = -0.13106184E 08 YD = 0.10519753E 05 R = 0.21135752E 08 LONG = 0.18862801E 03 FPAI = -0.26223657E 01
Z = -0.53660904E 07 ZD = 0.11141253E 05 RDOT = -0.87437128E 03 FLP = -0.70531574E 03 PSIV = 0.53747582E 02
XL = 0.17101364E 08 TAG = 0.60000000E 01 GLOAD = 0.95235980E 00 FLY = 0.32310503E 04 VA = 0.17931574F 05
YL = -0.11482726E 08 ROLL = -0.12314098E 02 ACC = 0.33551744E 02 RTGN = 0.79135790E 01 FPAA = -0.27949390E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.82678430E 04 RTGL = 0.44532798E 03 PSAV = 0.50926345E 02

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23 FEB. 1970 22 HR 32 MIN 29.58 SEC TMST 777449.5859 J.D. 244 641.4392 8 DAY 23 HR 57.5 MIN

X = 0.15745978E 08 XD = 0.11264046E 05 ALT = 0.21007550E 06 LAT = -0.14649047E 02 VI = 0.1d967756E 05
Y = -0.13053601E 08 YD = 0.10510819E 05 R = 0.21131362E 08 LONG = 0.18882202E 03 FPAI = -0.26596099E 01
Z = -0.53105689E 07 ZD = 0.11064346E 05 RDOT = -0.88014716E 03 FLP = -0.82105283E 03 PSIV = 0.53753909E 02
XL = 0.1710550E 08 TAG = 0.60000000E 01 GLOAD = 0.11084277E 01 FLY = 0.37612417E 04 VA = 0.17788164E 05
YL = -0.11476490E 08 ROLL = -0.12314098E 02 ACC = 0.363117023E 02 RTGN = 0.76238723E 01 FPAA = -0.28361156E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.96245348E 04 RTGL = 0.43082691E 03 PSAV = 0.50908851E 02

23 FEB. 1970 22 HR 32 MIN 34.58 SEC TMST 777454.5859 J.D. 244 641.4393 8 DAY 23 HR 57.5 MIN

X = 0.15801895E 08 XD = 0.11101731E 05 ALT = 0.20558950E 06 LAT = -0.14496948E 02 VI = 0.18800779E 05
Y = -0.13001106E 08 YD = 0.10484048E 05 R = 0.21120966E 08 LONG = 0.18901421E 03 FPAI = -0.26724549E 01
Z = -0.52554787E 07 ZD = 0.10968391E 05 RDOT = -0.87666940E 03 FLP = -0.94952722E 03 PSIV = 0.53771817E 02
XL = 0.17109733E 08 TAG = 0.60000000E 01 GLOAD = 0.12816558E 01 FLY = 0.43497827E 04 VA = 0.17620567E 05
YL = -0.11470253E 08 ROLL = -0.12314098E 02 ACC = 0.39891048E 02 RTGN = 0.73981008E 01 FPAA = -0.28515963E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.11130536E 05 RTGL = 0.41644839E 03 PSAV = 0.53899503E 02

23 FEB. 1970 22 HR 32 MIN 39.58 SEC TMST 777459.5859 J.D. 244 641.4394 8 DAY 23 HR 57.6 MIN

X = 0.15856985E 08 XD = 0.10932967E 05 ALT = 0.20114800E 06 LAT = -0.14346349E 02 VI = 0.18607060E 05
Y = -0.12948793E 08 YD = 0.10437461E 05 R = 0.21122613E 08 LONG = 0.18920434E 03 FPAI = -0.26579186E 01
Z = -0.52009199E 07 ZD = 0.10851375E 05 RDOT = -0.86286137E 03 FLP = -0.10929445E 04 PSIV = 0.53802851E 02
XL = 0.17113914E 08 TAG = 0.60000000E 01 GLOAD = 0.14748724E 01 FLY = 0.50067770E 04 VA = 0.17426037E 05
YL = -0.11464014E 08 ROLL = -0.12314098E 02 ACC = 0.44355215E 02 RTGN = 0.72419512E 01 FPAA = -0.28381989E 01
ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.12811700E 05 RTGL = 0.40221268E 03 PSAV = 0.53899288E 02

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23 FEB. 1970 22 HR 32 MIN 44.58 SEC TMST 777464.5859 J.D. 244 641.4394 8 DAY 23 HR 57.7 MIN
 X = 0.15911213E 08 XD = 0.10757035E 05 ALT = 0.19680475E 06 LAT = -0.14197530E 02 VI = 0.183H3246E 05
 Y = -0.12896768E 08 YD = 0.10368627E 05 R = 0.21118356E 08 LONG = 0.18939213E 03 FPAI = -0.26121179E 01
 Z = -0.51470039E 07 ZD = 0.10710813E 05 RDOT = -0.83780296E 03 FLP = -0.12528380E 04 PSIV = -0.53848966E 02
 XL = 0.17118092E 08 TAG = 0.60000000E 01 GLOAD = 0.16902841E 01 FLY = 0.57392486E 04 VA = 0.11201187E 05
 YL = -0.11457773E 08 ROLL = -0.12314098E 02 ACC = 0.49769575E 02 RTGN = 0.71629030E 01 FPAA = -0.27917578E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.14686001E 05 RTGL = 0.38814252E 03 PSAV = 0.50909445E 02

23 FEB. 1970 22 HR 32 MIN 49.58 SEC TMST 777469.5859 J.D. 244 641.4395 8 DAY 23 HR 57.8 MIN
 X = 0.15964542E 08 XD = 0.10573328E 05 ALT = 0.19261925E 06 LAT = -0.14050795E 02 VI = 0.18126636E 05
 Y = -0.12845147E 08 YD = 0.10275565E 05 R = 0.21114255E 08 LONG = 0.18957727E 03 FPAI = -0.25317385E 01
 Z = -0.50938541E 07 ZD = 0.10544730E 05 RDOT = -0.80070284E 03 FLP = -0.14212742E 04 PSIV = 0.53912059E 02
 XL = 0.17122269E 08 TAG = 0.60000000E 01 GLOAD = 0.19174705E 01 FLY = 0.65108546E 04 VA = 0.16943261E 05
 YL = -0.11451531E 08 ROLL = -0.12314098E 02 ACC = 0.55843705E 02 RTGN = 0.71671039E 01 FPAA = -0.27086857E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.16660441E 05 RTGL = 0.37426337E 03 PSAV = 0.50931142E 02

23 FEB. 1970 22 HR 32 MIN 54.58 SEC TMST 777474.5859 J.D. 244 641.4395 8 DAY 23 HR 57.9 MIN
 X = 0.16016933E 08 XD = 0.10381619E 05 ALT = 0.18865100E 06 LAT = -0.13906469E 02 VI = 0.17836234E 05
 Y = -0.12794054E 08 YD = 0.10157614E 05 R = 0.21110369E 08 LONG = 0.18975943E 03 FPAI = -0.24154861E 01
 Z = -0.50415998E 07 ZD = 0.10352590E 05 RDOT = -0.75172056E 03 FLP = -0.15904692E 04 PSIV = 0.53993450E 02
 XL = 0.17126444E 08 TAG = 0.60000000E 01 GLOAD = 0.21457262E 01 FLY = 0.72859367E 04 VA = 0.16551335E 05
 YL = -0.11445286E 08 ROLL = -0.12314098E 02 ACC = 0.62223348E 02 RTGN = 0.72554247E 01 FPAA = -0.25874822E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.18643777E 05 RTGL = 0.36060210F 03 PSAV = 0.50965122E 02

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23 FEB. 1970 22 HR 32 MIN 59.58 SEC TMST 777479.5859 J.D. 244 641.4396 8 DAY 23 HR 58.0 MIN
 X = 0.16068345E 08 XD = 0.10181982E 05 ALT = 0.18495R00E 06 LAT = -0.13764874E 02 VI = 0.17512802E 05
 Y = -0.12743612E 08 YD = 0.10015259E 05 R = 0.21106756E 08 LONG = 0.18993830E 03 FPAI = -0.22638064E 01
 Z = -0.49903702E 07 ZD = 0.10135091E 05 RDOT = -0.69176612E 03 FLP = -0.17522053E 04 PSIV = 0.5403958L 02
 XL = 0.17130615E 08 TAG = 0.60000000E 01 GLOAD = 0.23640222E 01 FLY = 0.83268495E 04 VA = 0.16326075E 05
 YL = -0.11439041E 08 ROLL = -0.12314098E 02 ACC = 0.685224517E 02 RTGN = 0.74256114E 01 FPAA = -0.24284541E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.20539678E 05 RTGL = 0.34718566E 03 PSAV = 0.51011757E 02

23 FEB. 1970 22 HR 33 MIN 4.58 SEC TMST 777484.5859 J.D. 244 641.4397 8 DAY 23 HR 58.0 MIN
 X = 0.16118737E 08 XD = 0.99730632E 04 ALT = 0.18159475E 06 LAT = -0.13626269E 02 VI = 0.17158038E 05
 Y = -0.12693955E 08 YD = 0.98408614E 04 R = 0.21103470E 08 LONG = 0.19011350E 03 FPAI = -0.20726807E 01
 Z = -0.49402701E 07 ZD = 0.99042280E 04 RDOT = -0.62055840E 03 FLP = -0.12731684E 04 PSIV = 0.54168188E 02
 XL = 0.17134785E 08 TAG = 0.60000000E 01 GLOAD = 0.255591497E 01 FLY = 0.88016964E 04 VA = 0.15969958E 05
 YL = -0.11432795E 08 ROLL = -0.82307646E 01 ACC = 0.74111225E 02 RTGN = 0.74017894E 01 FPAA = -0.22269516E 01
 ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.22233255E 05 RTGL = 0.33404636E 03 PSAV = 0.51021942E 02

23 FEB. 1970 22 HR 33 MIN 9.58 SEC TMST 777489.5859 J.D. 244 641.4397 8 DAY 23 HR 58.1 MIN
 X = 0.16168071E 08 XD = 0.97593165E 04 ALT = 0.17860475E 06 LAT = -0.13490888E 02 VI = 0.16777804E 05
 Y = -0.12645205E 08 YD = 0.96569320E 04 R = 0.21100555E 08 LONG = 0.17028472E 03 FPAI = -0.1d605589E 01
 Z = -0.48913921E 07 ZD = 0.96433466E 04 RDOT = -0.54472785E 03 FLP = -0.20939654E 04 PSIV = 0.54377591E 02
 XL = 0.17138952E 08 TAG = 0.60000000E 01 GLOAD = 0.27171173E 01 FLY = 0.92061375E 04 VA = 0.15587354E 05
 YL = -0.11426547E 08 ROLL = -0.12814098E 02 ACC = 0.79098464E 02 RTGN = 0.77154206E 01 FPAA = -0.20027079E 01
 ZL = -0.36846776E 07 RLDOT = 0.49999999E 01 DRAG = 0.23603186E 05 RTGL = 0.32119606E 03 PSAV = 0.51094021E 02

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23 FEB. 1970		22 HR	33 MIN	14.58 SEC	TMST	777494.5859	J.D.	244 641.4398	8 DAY 23 HR 58.2 MIN
X	= 0.16216316E 08	x0	= 0.95382041E 04	ALT	= 0.17601350E 06	LAT	= -0.13358991E 02	VI	= 0.16376057E 05
Y	= -0.12597441E 08	y0	= 0.94473226E 04	R	= 0.21098036E 08	LONG	= 0.19045174E 03	FPAI	= -0.16192269E 01
Z	= -0.48438322E 07	z0	= 0.93779537E 04	RDOT	= -0.462737956E 03	FLP	= -0.23293957E 04	PSIV	= 0.54412461E 02
XL	= 0.17143117E 08	TAG	= 0.60000000E 01	GLOAD	= 0.28255472E 01	FLY	= 0.95333160E 04	VA	= 0.15163884E 05
YL	= -0.11420297E 08	ROLL	= -0.13730764E 02	ACC	= 0.82476405E 02	RTGN	= 0.77941614E 01	FPAIA	= -0.17463982E 01
ZL	= -0.36846776E 07	RLDOT	= 0.	DRAG	= 0.24534441E 05	RTGL	= 0.30866740E 03	PSAV	= 0.51120913E 02

23 FEB. 1970		22 HR	33 MIN	19.58 SEC	TMST	777499.5859	J.D.	244 641.4398	8 DAY 23 HR 58.3 MIN
X	= 0.16263450E 08	xD	= 0.93143502E 04	ALT	= 0.17383025E 06	LAT	= -0.13230756E 02	VI	= 0.15961265E 05
Y	= -0.12550723E 08	yD	= 0.92352035E 04	R	= 0.21095923E 08	LONG	= 0.19061440E 03	FPAI	= -0.13714405E 01
Z	= -0.47976559E 07	zD	= 0.90948265E 04	RDOT	= -0.38201477E 03	FLP	= -0.42086888E 03	PSIV	= 0.54563471E 02
XL	= 0.17147280E 08	TAG	= 0.60000000E 01	GLOAD	= 0.28971415E 01	FLY	= 0.10052398E 05	VA	= 0.14766579E 05
YL	= -0.11414046E 08	ROLL	= -0.23974316E 01	ACC	= 0.84449940E 02	RTGN	= 0.81137866E 01	FPAIA	= -0.14824191E 01
ZL	= -0.36846776E 07	RLDOT	= -0.49999999E-00	DRAG	= 0.25153011E 05	RTGL	= 0.29646307E 03	PSAV	= 0.51196803E 02

23 FEB. 1970		22 HR	33 MIN	24.58 SEC	TMST	777504.5859	J.D.	244 641.4399	8 DAY 23 HR 58.4 MIN
X	= 0.16309454E 08	xD	= 0.90875388E 04	ALT	= 0.17205375E 06	LAT	= -0.13106230E 02	VI	= 0.15539853E 05
Y	= -0.12505107E 08	yD	= 0.90152157E 04	R	= 0.21094213E 08	LONG	= 0.19077254E 03	FPAI	= -0.11147252E 01
Z	= -0.47528795E 07	zD	= 0.88107645E 04	RDOT	= -0.30340316E 03	FLP	= -0.23238066E 04	PSIV	= 0.54722444E 02
XL	= 0.17151440E 08	TAG	= 0.60000000E 01	GLOAD	= 0.29066313E 01	FLY	= 0.98196010E 04	VA	= 0.14342794E 05
YL	= -0.11407793E 08	ROLL	= -0.13314098E 02	ACC	= 0.85218939E 02	RTGN	= 0.83629702E 01	FPAIA	= -0.12121076E 01
ZL	= -0.36846776E 07	RLDOT	= 0.54999999E 01	DRAG	= 0.25227050E 05	RTGL	= 0.284539988E 03	PSAV	= 0.512614985E 02

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23 FEB. 1970 22 HR 33 MIN 29.58 SEC TMST 777509.5859 J.D. 244 641.4399 8 DAY 23 HR 58.5 MIN
 X = 0.16354320E 08 XD = 0.88591028E 04 ALT = 0.1706125E 06 LAT = -0.12985481E 02 VI = 0.15117858E 05
 Y = -0.12460596E 08 YD = 0.87901631E 04 R = 0.21092885E 08 LONG = 0.19092616E 03 FPAI = -0.86768076E 00
 Z = -0.47095211E 07 ID = 0.85322312E 04 RDOT = -0.22893437E 03 FLP = -0.23833216E 04 PSIV = 0.54858697E 02
 XL = 0.17155599E 08 TAG = 0.60000000E 01 GLOAD = 0.28924839E 01 FLY = 0.97540142E 04 VA = 0.13918769E 05
 YL = -0.11401539E 08 ROLL = -0.13730764E 02 ACC = 0.84946607E 02 RTGN = 0.84902260E 01 FPAA = -0.94243632E 00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.25102417E 05 RTGL = 0.27308263E 03 PSAV = 0.51303518E 02

23 FEB. 1970 22 HR 33 MIN 34.58 SEC TMST 777514.5859 J.D. 244 641.4400 8 DAY 23 HR 58.5 MIN
 X = 0.16398049E 08 XD = 0.86325477E 04 ALT = 0.16962075E 06 LAT = -0.12868511E 02 VI = 0.14701626E 05
 Y = -0.12417177E 08 YD = 0.85766342E 04 R = 0.21091907E 08 LONG = 0.19107529E 03 FPAI = -0.63693477E 00
 Z = -0.46675737E 07 ID = 0.824947433E 04 RDOT = -0.16342885E 03 FLP = -0.22489923E 04 PSIV = 0.56045597E 02
 XL = 0.17159754E 08 TAG = 0.60000000E 01 GLOAD = 0.28314251E 01 FLY = 0.95655222E 04 VA = 0.13499746E 05
 YL = -0.11395283E 08 ROLL = -0.13230764E 02 ACC = 0.83253520E 02 RTGN = 0.88176894E 01 FPAA = -0.69364156E 00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.24565879E 05 RTGL = 0.26190021E 03 PSAV = 0.51395655E 02

23 FEB. 1970 22 HR 33 MIN 39.58 SEC TMST 777519.5859 J.D. 244 641.4401 8 DAY 23 HR 58.6 MIN
 X = 0.16440651E 08 XD = 0.84084629E 04 ALT = 0.16888650E 06 LAT = -0.12755305E 02 VI = 0.16296825E 05
 Y = -0.12374803E 08 YD = 0.83743552E 04 R = 0.21091232E 08 LONG = 0.19122007E 03 FPAI = -0.43347539E -00
 Z = -0.46270217E 07 ID = 0.79729001E 04 RDOT = -0.10816264E 03 FLP = -0.21057120E 04 PSIV = 0.59216122E 02
 XL = 0.17163908E 08 TAG = 0.60000000E 01 GLOAD = 0.27363305E 01 FLY = 0.92577817E 04 VA = 0.13091326E 05
 YL = -0.113889026E 08 ROLL = -0.12814098E 02 ACC = 0.80577370E 02 RTGN = 0.92049384E 01 FPAA = -0.47337138E -00
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.23735594E 05 RTGL = 0.25104974E 03 PSAV = 0.51510734E 02

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23 FEB. 1970 22 HR 33 MIN 44.58 SEC TNST 777524.58559 J.D. 244 641.4401 8 DAY 23 HR 58.7 MIN

X = 0.16482139E 08 XD = 0.61875548E 04 ALT = 0.16840525E 06 LAT = -0.12645780E 02 VI = 0.113907193E 05
Y = -0.12333416E 08 YD = 0.61825053E 04 R = 0.21090808E 08 LONG = 0.19136066E 03 FPAI = -0.26078772E-03
Z = -0.45878239E 07 ZD = 0.77084736E 04 RDOT = -0.63299820E 02 FLP = -0.20158446E 04 PSIV = 0.55467790E 02
XL = 0.17168059E 08 TAG = 0.60000000E 01 GLOAD = 0.26199640E 01 FLY = 0.88626788E 04 VA = 0.12699100E 05
YL = -0.11382767E 08 ROLL = -0.12814098E 02 ACC = 0.77262463E 02 RTGN = 0.95502812E 01 FPAA = -0.28559497E-00
ZL = -0.36846776E 07 DRAG = 0.22722609E 05 RTGL = 0.24052412E 03 PSAV = 0.51625551E 02

23 FEB. 1970 22 HR 33 MIN 49.58 SEC TNST 777529.58559 J.D. 244 641.4402 8 DAY 23 HR 58.8 MIN

X = 0.16522533E 08 XD = 0.79706462E 04 ALT = 0.16812375E 06 LAT = -0.12539780E 02 VI = 0.13535128E 05
Y = -0.12292958E 08 YD = 0.80027672E 04 R = 0.21090581E 08 LONG = 0.19149722E 03 FPAI = -0.12374083E-00
Z = -0.45499134E 07 ZD = 0.74581632E 04 RDOT = -0.29231611E 02 FLP = -0.19175588E 04 PSIV = 0.55678566E 02
XL = 0.17172208E 08 TAG = 0.60000000E 01 GLOAD = 0.24924856E 01 FLY = 0.84305641E 04 VA = 0.12323989E 05
YL = -0.11376507E 08 ROLL = -0.12814098E 02 ACC = 0.73627795E 02 RTGN = 0.98468015E 01 FPAA = -0.13589442E-00
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.21614730E 05 RTGL = 0.23031060E 03 PSAV = 0.517388394E 02

23 FEB. 1970 22 HR 33 MIN 54.58 SEC TNST 777534.58559 J.D. 244 641.4402 9 DAY 23 HR 58.9 MIN

X = 0.16561853E 08 XD = 0.77577034E 04 ALT = 0.16798850E 06 LAT = -0.12437124E 02 VI = 0.13181360E 05
Y = -0.12253369E 08 YD = 0.78322776E 04 R = 0.21090499E 08 LONG = 0.19162994E 03 FPAI = -0.21539855E-01
Z = -0.45132149E 07 ZD = 0.72264604E 04 RDOT = -0.49554190E 01 FLP = -0.34270036E 03 PSIV = 0.55864501E 02
XL = 0.17176355E 08 TAG = 0.60000000E 01 GLOAD = 0.23619369E 01 FLY = 0.81853531E 04 VA = 0.11967603E 05
YL = -0.11370245E 08 ROLL = -0.23974315E 01 ACC = 0.69622571E 02 RTGN = 0.10004078E 02 FPAA = -0.23722101E-01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.20481310E 05 RTGL = 0.22039902E 03 PSAV = 0.51825097E 02

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23 FEB. 1970 22 HR 33 MIN 59.58 SEC TMST 777539.5859 J.D. 244 641.4403 8 DAY 23 HR 59.0 MIN

X = 0.16600116E 08 XD = 0.75489443E 04 ALT = 0.16795550E 06 LAT = -0.12337518E 02 VI = 0.12845966E 05
Y = -0.12214623E 08 YD = 0.76713195E 04 R = 0.21090516E 08 LONG = 0.19175891E 03 FPAI = 0.44235720E-01
Z = -0.44776144E 07 LD = 0.70130697E 04 RDOT = 0.99178433E 01 FLP = -0.99747298E 03 PSIV = 0.56024436E 02
XL = 0.17180500E 08 TAG = 0.60000000E 01 GLOAD = 0.22336569E 01 FLY = 0.76828132E 04 VA = 0.11630026E 05
YL = -0.113639B2E 08 ROLL = -0.73974313E 01 ACC = 0.66105383E 02 RTGN = 0.10022675E 02 FPAA = 0.48862319E-01
ZL = -0.36846776E 07 RLDDOT = 0.49999999E 01 DRAG = 0.19368236E 05 RTGL = 0.21077534E 03 PSAV = 0.51883172E 02

23 FEB. 1970 22 HR 34 MIN 4.58 SEC TMST 777544.5859 J.D. 244 641.4403 8 DAY 23 HR 59.0 MIN

X = 0.16637347E 08 XD = 0.73448003E 04 ALT = 0.16797575E 06 LAT = -0.12240792E 02 VI = 0.12528718E 05
Y = -0.12176652E 08 YD = 0.75219107E 04 R = 0.21090585E 08 LONG = 0.19188433E 03 FPAI = 0.70929806E-01
Z = -0.44430419E 07 LD = 0.68149496E 04 RDOT = 0.15510035E 02 FLP = -0.16238858E 04 PSIV = 0.56172055E 02
XL = 0.17184643E 08 TAG = 0.60000000E 01 GLOAD = 0.21109723E 01 FLY = 0.71394283E 04 VA = 0.11310804E 05
YL = -0.11357716E 08 ROLL = -0.12814098E 02 ACC = 0.62854235E 02 RTGN = 0.99646822E 01 FPAA = 0.78569373E-01
ZL = -0.36846776E 07 RLDDOT = 0.49999999E 01 DRAG = 0.18304447E 05 RTGL = 0.20142239E 03 PSAV = 0.51928464E 02

23 FEB. 1970 22 HR 34 MIN 9.58 SEC TMST 777549.5859 J.D. 244 641.4404 8 DAY 23 HR 59.1 MIN

X = 0.16673571E 08 XD = 0.71453802E 04 ALT = 0.16800250E 06 LAT = -0.12146794E 02 VI = 0.12228697E 05
Y = -0.12139393E 08 YD = 0.73840018E 04 R = 0.21090659E 08 LONG = 0.19200640E 03 FPAI = 0.57023079E-01
Z = -0.44094331E 07 LD = 0.66303156E 04 RDOT = 0.12597356E 02 FLP = -0.15857974E 04 PSIV = 0.56312239E 02
XL = 0.17188782E 08 TAG = 0.60000000E 01 GLOAD = 0.19975573E 01 FLY = 0.67447895E 04 VA = 0.11008939E 05
YL = -0.11351450E 08 ROLL = -0.13230764E 02 ACC = 0.59688246E 02 RTGN = 0.98540250E 01 FPAA = 0.65564693E-01
ZL = -0.36846776E 07 RLDDOT = 0.49999999E 01 DRAG = 0.17321760E 05 RTGL = 0.19232441E 03 PSAV = 0.51966493E 02

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23 FEB. 1970 22 HR 34 MIN 14.58 SEC TMST 777554.5859 J.D. 244 641.4405 8 DAY 23 HR 59.2 MIN

X = 0.16708810E 08 XD = 0.69506332E 04 ALT = 0.16799425E 06 LAT = -0.12055370E 02 VI = 0.11944655E 05
Y = -0.12102786E 08 YD = 0.72581077E 04 R = 0.21090697E 08 LONG = 0.19212530E 03 FPAI = 0.82081797E-02
Z = -0.43767272E 07 LD = 0.64562646E 04 RDOT = 0.17111684E 01 FLP = -0.99811752E 03 PSIV = 0.56456234E 02
XL = 0.17192920E 08 TAG = 0.60000000E 01 GLOAD = 0.18955630E 01 FLY = 0.64993853E 04 VA = 0.10723001E 05
YL = -0.11345162E 08 ROLL = -0.87307645E 01 ACC = 0.56695816E 02 RTGN = 0.97307651E 01 FPAA = 0.91456232E-02
ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.16438949E 05 RTGL = 0.16346612E 03 PSAV = 0.52009733E 02

23 FEB. 1970 22 HR 34 MIN 19.58 SEC TMST 777559.5859 J.D. 244 641.4405 8 DAY 23 HR 59.3 MIN

X = 0.16743087E 08 XD = 0.67602874E 04 ALT = 0.16791500E 06 LAT = -0.11966393E 02 VI = 0.11674986E 05
Y = -0.120666780E 08 YD = 0.71433916E 04 R = 0.21090662E 08 LONG = 0.19224118E 03 FPAI = -0.79815028E-01
Z = -0.43448704E 07 LD = 0.62909276E 04 RDOT = -0.16263664E 02 FLP = -0.30767352E 03 PSIV = 0.566608500E 02
XL = 0.17197055E 08 TAG = 0.60000000E 01 GLOAD = 0.18016354E 01 FLY = 0.62592758E 04 VA = 0.10451318E 05
YL = -0.11338913E 08 ROLL = -0.28140982E 01 ACC = 0.54138643E 02 RTGN = 0.96076077E 01 FPAA = -0.89157020E-01
ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.15667083E 05 RTGL = 0.17483455E 03 PSAV = 0.52063029E 02

23 FEB. 1970 22 HR 34 MIN 24.58 SEC TMST 777564.5859 J.D. 244 641.4406 8 DAY 23 HR 59.4 MIN

X = 0.16776421E 08 XD = 0.65738815E 04 ALT = 0.16773450E 06 LAT = -0.11879728E 02 VI = 0.11417757E 05
Y = -0.12031331E 08 YD = 0.70372551E 04 R = 0.21090523E 08 LONG = 0.19235420E 03 FPAI = -0.23045239E-00
Z = -0.43138121E 07 LD = 0.61340284E 04 RDOT = -0.39945642E 02 FLP = -0.25113664E 03 PSIV = 0.56762455E 02
XL = 0.17201188E 08 TAG = 0.60000000E 01 GLOAD = 0.17302495E 01 FLY = 0.59983657E 04 VA = 0.10192072E 05
YL = -0.11332642E 08 ROLL = -0.23974315E 01 ACC = 0.52060016E 02 RTGN = 0.94621140E 01 FPAA = -0.22455613E-00
ZL = -0.36846776E 07 RLDOT = -0.49999999E-00 DRAG = 0.15009052E 05 RTGL = 0.16642009E 03 PSAV = 0.52118704E 02

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23 FEB. 1970 22 HR 34 MIN 29.58 SEC TMST 777569.5859 J.D. 244 641.4406 8 DAY 23 HR 59.5 MIN

X = 0.16808830E 08 XD = 0.63908085E 04 ALT = 0.16742500E 06 LAT = -0.11795283E 02 VI = 0.11171084E 05
Y = -0.11996401E 08 YD = 0.6937853E 04 R = 0.21090255E 08 LONG = 0.19246447E 03 FPAI = -0.35096927E -00
Z = -0.42835125E 07 ZD = 0.59846827E 04 RDOT = -0.68428819E 02 FLP = -0.74075545E 03 PSIV = 0.56915635F 02
XL = 0.17205319E 08 TAG = 0.60000000E 01 GLOAD = 0.16671751E 01 FLY = 0.57381834E 04 VA = 0.99434255E 04
YL = -0.11326370E 08 ROLL = -0.73557646E 01 ACC = 0.504366468E 02 RTGN = 0.92877777E 01 FPAA = -0.39429913E -00
ZL = -0.36846776E 07 RLDT = 0.49999999E 01 DRAG = 0.14464497E 05 RTGL = 0.15821383E 03 PSAV = 0.52173515E 02

23 FEB. 1970 22 HR 34 MIN 34.58 SEC TMST 777574.5859 J.D. 244 641.4407 8 DAY 23 HR 59.5 MIN

X = 0.16840331E 08 XD = 0.62104781E 04 ALT = 0.16696550E 06 LAT = -0.11712972E 02 VI = 0.10932993E 05
Y = -0.11961958E 08 YD = 0.68423425E 04 R = 0.21089836E 08 LONG = 0.19257210E 03 FPAI = -0.52627888E 00
Z = -0.42539391E 07 ZD = 0.58431703E 04 RDOT = -0.10042140E 03 FLP = -0.1244992E 04 PSIV = 0.57057304E 02
XL = 0.17209448E 08 TAG = 0.60000000E 01 GLOAD = 0.16165423E 01 FLY = 0.54714517E 04 VA = 0.97035900E 04
YL = -0.1132096E 08 ROLL = -0.12814098E 02 ACC = 0.49221844E 02 RTGN = 0.90580615E 01 FPAA = -0.59295604E 00
ZL = -0.36846776E 07 RLDT = 0.49999999E 01 DRAG = 0.14028000E 05 RTGL = 0.15020962E 03 PSAV = 0.52214720E 02

23 FEB. 1970 22 HR 34 MIN 39.58 SEC TMST 777579.5859 J.D. 244 641.4408 8 DAY 23 HR 59.6 MIN

X = 0.16870938E 08 XD = 0.60327503E 04 ALT = 0.16633900E 06 LAT = -0.11632726E 02 VI = 0.10701921E 05
Y = -0.11927978E 08 YD = 0.67502369E 04 R = 0.21089248E 08 LONG = 0.19267718E 03 FPAI = -0.72402053E 00
Z = -0.42250646E 07 ZD = 0.57070720E 04 RDOT = -0.13523168E 03 FLP = -0.12534621E 04 PSIV = 0.51195775E 02
XL = 0.17213574E 08 TAG = 0.60000000E 01 GLOAD = 0.15774382E 01 FLY = 0.53312853E 04 VA = 0.94718782E 04
YL = -0.11313820E 08 ROLL = -0.13230764E 02 ACC = 0.48107497E 02 RTGN = 0.87994002E 01 FPAA = -0.81813371E 00
ZL = -0.36846776E 07 RLDT = 0.49999999E 01 DRAG = 0.13691642E 05 RTGL = 0.14239968E 03 PSAV = 0.52250958E 02

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23 FEB. 1970 22 HR 34 MIN 44.58 SEC TMST 777584.5859 J.D. 244 641.4408 8 DAY 23 HR 59.7 MIN

X = 0.16900663E 08 XD = 0.58574463E 04 ALT = 0.16553250E 06 LAT = -0.11554490E 02 VI = 0.10476489E 05
Y = -0.11894444E 08 YD = 0.66611773E 04 R = 0.21088478E 08 LONG = 0.19277978E 03 FPAI = -0.94303653E 00
Z = -0.41968684E 07 LD = 0.55738602E 04 RDDT = -0.17242571E 03 FLP = -0.81636801E 03 PSIV = 0.57341848E 02
XL = 0.17217698E 08 TAG = 0.60000000E 01 GLOAD = 0.15487522E 01 FLY = 0.53158973E 04 VA = 0.92437460E 04
YL = -0.11307543E 08 ROLL = -0.87307645E 01 ACC = 0.47088917E 02 RTGN = 0.85395607E 01 FPAA = -0.106880102E 01
ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.13445543E 05 RTGL = 0.13477731E 03 PSAV = 0.52293744E 02

23 FEB. 1970 22 HR 34 MIN 49.71 SEC TMST 777589.7109 J.D. 244 641.4409 8 DAY 23 HR 59.8 MIN

X = 0.16930228E 08 XD = 0.56800264E 04 ALT = 0.16450850E 06 LAT = -0.11476343E 02 VI = 0.10249896E 05
Y = -0.11860523E 08 YD = 0.65739222E 04 R = 0.21087492E 08 LONG = 0.19288242E 03 FPAI = -0.11873362E 01
Z = -0.41686560E 07 LD = 0.54388627E 04 RDDT = -0.21239264E 03 FLP = -0.26070797E 03 PSIV = 0.57503706E 02
XL = 0.17221922E 08 TAG = 0.60000000E 01 GLOAD = 0.15288190E 01 FLY = 0.53038141E 04 VA = 0.90112924E 04
YL = -0.11301108E 08 ROLL = -0.28140981E 01 ACC = 0.46343177E 02 RTGN = 0.82797211E 01 FPAA = -0.13499621E 01
ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.13275545E 05 RTGL = 0.12715462E 03 PSAV = 0.52348521E 02

23 FEB. 1970 22 HR 34 MIN 54.71 SEC TMST 777594.7109 J.D. 244 641.4409 8 DAY 23 HR 59.9 MIN

X = 0.16958200E 08 XD = 0.55088987E 04 ALT = 0.16331200E 06 LAT = -0.11402059E 02 VI = 0.10031702E 05
Y = -0.11827864E 08 YD = 0.64892853E 04 R = 0.21086330E 08 LONG = 0.19298013E 03 FPAI = -0.14407575E 01
Z = -0.41417891E 07 LD = 0.53081310E 04 RDDT = -0.25223022E 03 FLP = -0.24054239E 03 PSIV = 0.57670974E 02
XL = 0.17226042E 08 TAG = 0.60000000E 01 GLOAD = 0.15226680E 01 FLY = 0.52854196E 04 VA = 0.87952170E 04
YL = -0.11294828E 08 ROLL = -0.260517648E 01 ACC = 0.46045554E 02 RTGN = 0.80233653E 01 FPAA = -0.16433572E 01
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.13272722E 05 RTGL = 0.11990104E 03 PSAV = 0.52438962E 02

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23 FEB. 1970 22 HR 34 MIN 59.71 SEC TMST 777599.7109 J.D. 244 641.4410 8 DAY 23 HR 60.0 MIN
 X = 0.16985318E 0H XD = 0.53391223E 04 ALT = 0.16191825E 06 LAT = -0.11329695E 02 VI = 0.98141782E 04
 Y = -0.11795637E 08 YD = 0.64037168E 04 R = 0.21084971E 08 LONG = 0.19307545E 03 FPAI = -0.17049527E 01
 Z = -0.41155688E 07 ZD = 0.51772850E 04 RDOT = -0.29199777E 03 FLP = -0.11774929E 04 PSIV = 0.57846365E 02
 XL = 0.17230159E 08 TAG = 0.60000000E 01 GLOAD = 0.15275577E 01 FLY = 0.51768581E 04 VA = 0.85757800E 04
 YL = -0.11288547E 08 ROLL = -0.12814098E 02 ACC = 0.46295119E 02 RTGN = 0.77605032E 01 FPAA = -0.19512459E 01
 ZL = -0.36846776E 07 RLDOT = 0.49999999E 01 DRAG = 0.13272705E 05 RTGL = 0.11282750E 03 PSAV = 0.52473611E 02

23 FEB. 1970 22 HR 35 MIN 4.71 SEC TMST 777604.7109 J.D. 244 641.4410 9 DAY 0 HR 0.0 MIN
 X = 0.17011591E 08 XD = 0.51703669E 04 ALT = 0.16032875E 06 LAT = -0.11259274E 02 VI = 0.95961201F 04
 Y = -0.11763842E 08 YD = 0.63141331E 04 R = 0.21083414E 08 LONG = 0.19316842E 03 FPAI = -0.19741518E 01
 Z = -0.40900043E 07 ZD = 0.50482239E 04 RDOT = -0.33057322E 03 FLP = -0.12038493E 04 PSIV = 0.58010845E 02
 XL = 0.17234273E 08 TAG = 0.60000000E 01 GLOAD = 0.15368819E 01 FLY = 0.52051464E 04 VA = 0.83560885E 04
 YL = -0.11282264E 08 ROLL = -0.13024231E 02 ACC = 0.46344673E 02 RTGN = 0.74562471E 01 FPAA = -0.22672539E 01
 ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.13356366E 05 RTGL = 0.10593653E 03 PSAV = 0.52519639E 02

23 FEB. 1970 22 HR 35 MIN 9.71 SEC TMST 777609.7109 J.D. 244 641.4411 9 DAY 0 HR 0.1 MIN
 X = 0.17037025E 08 XD = 0.50027841E 04 ALT = 0.15854875E 06 LAT = -0.11190789E 02 VI = 0.93767007E 04
 Y = -0.11732495E 08 YD = 0.62222442E 04 R = 0.21081666E 08 LONG = 0.19325902E 03 FPAI = -0.22493862E 01
 Z = -0.40650951E 07 ZD = 0.49171480E 04 RDOT = -0.36802716E 03 FLP = -0.75738657E 03 PSIV = 0.58188688E 02
 XL = 0.17238386E 08 TAG = 0.60000000E 01 GLOAD = 0.15604940E 01 FLY = 0.53738193E 04 VA = 0.81349352E 04
 YL = -0.11275979E 08 ROLL = -0.80224313E 01 ACC = 0.46577356E 02 RTGN = 0.71573189E 01 FPAA = -0.25929626E 01
 ZL = -0.36846776E 07 RLDOT = -0.49999999E 01 DRAG = 0.13567325E 05 RTGL = 0.99225745E 02 PSAV = 0.52573662E 02

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23 FEB. 1970 22 HR 35 MIN 14.71 SEC TMSI 777614.7109 J.D. 244 641.4412 9 DAY 0 HR 0.2 MIN

X = 0.17061623E 08 XD = 0.48362783E 04 ALT = 0.15658700E 06 LAT = -0.11124259E 02 VI = 0.91544292E 04
Y = -0.11701614E 08 YD = 0.61273368E 04 R = 0.21079135E 08 LONG = 0.19334720E 03 FPAL = -0.25273288E 01
Z = -0.40408513E 07 ZD = 0.47822307E 04 RDOT = -0.40367284E 03 FLP = -0.27104596E 03 PSIV = 0.58388348E 02
XL = 0.17242496E 08 TAG = 0.60000000E 01 GLOAD = 0.15872429E 01 FLY = 0.55141288E 04 VA = 0.79107122E 04
YL = -0.11269694E 08 ROLL = -0.28140982E 01 ACC = 0.46985864E 02 RTGN = 0.68742208E 01 FPAA = -0.29249935E 01
ZL = -0.36846776E 07 RLDT = -0.49999999E 01 DRAG = 0.13801966E 05 RTGL = 0.92696469E 02 PSAV = 0.52643487E 02

23 FEB. 1970 22 HR 35 MIN 19.71 SEC TMSI 777619.7109 J.D. 244 641.4412 9 DAY 0 HR 0.3 MIN

X = 0.17085390E 08 XD = 0.46707428E 04 ALT = 0.15445425E 06 LAT = -0.11059715E 02 VI = 0.89283059E 04
Y = -0.11671222E 08 YD = 0.60281528E 04 R = 0.21077632E 08 LONG = 0.19343293E 03 FPAL = -0.28045815E 01
Z = -0.40172859E 07 ZD = 0.464412946E 04 RDOT = -0.43685876E 03 FLP = -0.25821738E 03 PSIV = 0.58607360E 02
XL = 0.17246604E 08 TAG = 0.60000000E 01 GLOAD = 0.16319741E 01 FLY = 0.56737906E 04 VA = 0.75824532E 04
YL = -0.11263406E 08 ROLL = -0.26057648E 01 ACC = 0.47947863E 02 RTGN = 0.65996270E 01 FPAA = -0.32598512E 01
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.14199159E 05 RTGL = 0.86352000E 02 PSAV = 0.52725920E 02

23 FEB. 1970 22 HR 35 MIN 24.71 SEC TMSI 777624.7109 J.D. 244 641.4413 9 DAY 0 HR 0.4 MIN

X = 0.17108330E 08 XD = 0.45056349E 04 ALT = 0.15216750E 06 LAT = -0.10997200E 02 VI = 0.86958522E 04
Y = -0.11641350E 08 YD = 0.59217881E 04 R = 0.21075373E 08 LONG = 0.19351616E 03 FPAL = -0.30741768E 01
Z = -0.3994202E 07 ZD = 0.4499473E 04 RDOT = -0.46634782E 03 FLP = -0.77334159E 03 PSIV = 0.58840158E 02
XL = 0.17250710E 08 TAG = 0.60000000E 01 GLOAD = 0.16787933E 01 FLY = 0.57914808E 04 VA = 0.74417948E 04
YL = -0.11257116E 08 ROLL = -0.76057646E 01 ACC = 0.49086772E 02 RTGN = 0.63206787E 01 FPAA = -0.35099534E 01
ZL = -0.36846776E 07 RLDT = 0.49999999E 01 DRAG = 0.14607213E 05 RTGL = 0.80197896E 02 PSAV = 0.52810617E 02

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23 FEB. 1970 22 HR 35 MIN 29.71 SEC TMST 777629.7109 J.D. 244 641.4413 9 DAY 0 HR 0.5 MIN
 $x = 0.17130445E\ 08$ $x0 = 0.43408486E\ 04$ $ALT = 0.14974425E\ 06$ $LAT = -0.10936779E\ 02$ $VI = 0.84561276E\ 04$
 $y = -0.11612030E\ 08$ $y0 = 0.58068492E\ 04$ $R = 0.21072978E\ 08$ $LONG = 0.19359683E\ 03$ $FPAI = -0.33322358E\ 01$
 $z = -0.39722802E\ 07$ $z0 = 0.43524282E\ 04$ $RDOT = -0.49151839E\ 03$ $FLP = -0.13458334E\ 04$ $PSIV = 0.59081745E\ 02$
 $xL = 0.17254813E\ 08$ $TAG = 0.60000000E\ 01$ $GLOAD = 0.17426863E\ 01$ $FLY = 0.59169686E\ 04$ $VA = 0.72058790E\ 04$
 $yL = -0.11250826E\ 08$ $ROLL = -0.12814098E\ 02$ $ACC = 0.50768445E\ 02$ $RTGN = 0.60305620E\ 01$ $FPAIA = -0.39112224E\ 01$
 $zL = -0.36846776E\ 07$ $RLDOT = 0.49999999E\ 01$ $DRAG = 0.15170239E\ 05$ $RTGL = 0.74240041E\ 02$ $PSAV = 0.52889848E\ 02$

23 FEB. 1970 22 HR 35 MIN 34.71 SEC TMST 777634.7109 J.D. 244 641.4414 9 DAY 0 HR 0.5 MIN
 $x = 0.17151738E\ 08$ $x0 = 0.41764631E\ 04$ $ALT = 0.14720750E\ 06$ $LAT = -0.10878525E\ 02$ $VI = 0.82084061E\ 04$
 $y = -0.11583302E\ 08$ $y0 = 0.56830529E\ 04$ $R = 0.21070467E\ 08$ $LONG = 0.19367484E\ 03$ $FPAI = -0.35760573E\ 01$
 $z = -0.39508969E\ 07$ $z0 = 0.41997617E\ 04$ $RDOT = -0.51198669E\ 03$ $FLP = -0.14155222E\ 04$ $PSIV = 0.59338387E\ 02$
 $xL = 0.17258914E\ 08$ $TAG = 0.60000000E\ 01$ $GLOAD = 0.18033413E\ 01$ $FLY = 0.61203672E\ 04$ $VA = 0.69558891E\ 04$
 $yL = -0.11244534E\ 08$ $ROLL = -0.13022431E\ 02$ $ACC = 0.52189866E\ 02$ $RTGN = 0.57380376E\ 01$ $FPAIA = -0.42210569E\ 01$
 $zL = -0.36846776E\ 07$ $RLDOT = 0.$ $DRAG = 0.15704816E\ 05$ $RTGL = 0.68484262E\ 02$ $PSAV = 0.52968351E\ 02$

23 FEB. 1970 22 HR 35 MIN 39.71 SEC TMST 777639.7109 J.D. 244 641.4414 9 DAY 0 HR 0.6 MIN
 $x = 0.17172211E\ 08$ $x0 = 0.40125518E\ 04$ $ALT = 0.14458025E\ 06$ $LAT = -0.10822511E\ 02$ $VI = 0.79520465E\ 04$
 $y = -0.11555208E\ 08$ $y0 = 0.55510463E\ 04$ $R = 0.21067865E\ 08$ $LONG = 0.19375012E\ 03$ $FPAI = -0.36047755E\ 01$
 $z = -0.39303013E\ 07$ $z0 = 0.40398461E\ 04$ $RDOT = -0.52767448E\ 03$ $FLP = -0.96365783E\ 03$ $PSIV = 0.59627616E\ 02$
 $xL = 0.17263013E\ 08$ $TAG = 0.60000000E\ 01$ $GLOAD = 0.18669068E\ 01$ $FLY = 0.64307618E\ 04$ $VA = 0.66969217E\ 04$
 $yL = -0.11238241E\ 08$ $ROLL = -0.85224311E\ 01$ $ACC = 0.535558235E\ 02$ $RTGN = 0.54615995E\ 01$ $FPAIA = -0.45192211E\ 01$
 $zL = -0.36846776E\ 07$ $RLDOT = -0.49999999E\ 01$ $DRAG = 0.16256410E\ 05$ $RTGL = 0.62935897E\ 02$ $PSAV = 0.53063825E\ 02$

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23 FEB. 1970 22 HR 35 MIN 44.71 SEC TMST 777644.7109 J.D. 244 641.4415 9 DAY 0 HR 0.7 MIN

X = 0.17191867E 08 XD = 0.38493123E 04 ALT = 0.14188600E 06 LAT = -0.10768810E 02 VI = 0.76877344E 04
Y = -0.11527790E 08 YD = 0.54119224E 04 R = 0.21065195E 08 LONG = 0.19382257E 03 FPAI = -0.40252271E 01
Z = -0.39105254E 07 ZD = 0.38723573E 04 RDOT = -0.53897659E 03 FLP = -0.33080348E 03 PSIV = 0.59960100E 02
XL = 0.17267109F 08 TAG = 0.60000000E 01 GLOAD = 0.19338178E 01 FLY = 0.67298292E 04 VA = 0.64295105E 04
YL = -0.11231946E 08 ROLL = -0.28140982E 01 ACC = 0.55115005E 02 RTGN = 0.52071392E 01 FPAA = -0.48086623E 01
ZL = -0.36846776E 07 RLDOIT = -0.49999999E 01 DRAG = 0.16844887E 05 RTGL = 0.57601152E 02 PSAV = 0.53187038E 02

23 FEB. 1970 22 HR 35 MIN 49.71 SEC TMST 777649.7109 J.D. 244 641.4416 9 DAY 0 HR 0.8 MIN

X = 0.17210707E 08 XD = 0.36868046E 04 ALT = 0.13915000E 06 LAT = -0.10717485E 02 VI = 0.74155569E 04
Y = -0.11501095E 08 YD = 0.52648818E 04 R = 0.21062481E 08 LONG = 0.19389209E 03 FPAI = -0.42196704E 01
Z = -0.38915967E 07 ZD = 0.36985101E 04 RDOT = -0.54564099E 03 FLP = -0.31535857E 03 PSIV = 0.60330496E 02
XL = 0.17271203E 08 TAG = 0.60000000E 01 GLOAD = 0.19901524E 01 FLY = 0.69293498E 04 VA = 0.61538430E 04
YL = -0.11225649E 08 ROLL = -0.26057648E 01 ACC = 0.56521831E 02 RTGN = 0.49619002E 01 FPAA = -0.50869046E 01
ZL = -0.36846776E 07 RLDOIT = -0.49999999E-00 DRAG = 0.17341306E 05 RTGL = 0.52488114E 02 PSAV = 0.53328948E 02

23 FEB. 1970 22 HR 35 MIN 54.71 SEC TMST 777654.7109 J.D. 244 641.4416 9 DAY 0 HR 0.9 MIN

X = 0.17228735E 08 XD = 0.35249027E 04 ALT = 0.13639425E 06 LAT = -0.10668608E 02 VI = 0.71359334E 04
Y = -0.11475161E 08 YD = 0.51098823E 04 R = 0.21059747E 08 LONG = 0.19395861E 03 FPAI = -0.44038379E 01
Z = -0.38735433E 07 ZD = 0.35193338E 04 RDOT = -0.54793845E 03 FLP = -0.93783512E 03 PSIV = 0.60736960E 02
XL = 0.17275295E 08 TAG = 0.60000000E 01 GLOAD = 0.20390054E 01 FLY = 0.70428762E 04 VA = 0.58703916E 04
YL = -0.11219352E 08 ROLL = -0.75849312E 01 ACC = 0.57852124E 02 RTGN = 0.47196839E 01 FPAA = -0.53557433E 01
ZL = -0.36846776E 07 RLDOIT = 0.49999999F 01 DRAG = 0.1762608E 05 RTGL = 0.47603457E 02 PSAV = 0.53484286E 02

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23 FEB. 1970 22 HR 35 MIN 59.71 SEC TMST 777659.7109 J.D. 244 641.4417 9 DAY 0 HR 1.0 MIN
 X = 0.17245955E 08 XD = 0.33636966E 04 ALT = 0.13363725E 06 LAT = -0.10622234E 02 VI = 0.68507193E 04
 Y = -0.11450021E 08 YD = 0.49484790E 04 R = 0.21057011E 08 LONG = 0.19402205E 03 FPAI = -0.45787829E 01
 Z = -0.38563917E 07 ZD = 0.33362338E 04 RDOT = -0.54689157E 03 FLP = -0.24282653E 04 PSIV = 0.61181573E 02
 XL = 0.17279384E 08 TAG = 0.60000000E 01 GLOAD = 0.20847430E 01 FLY = 0.68486876E 04 VA = 0.59810076E 04
 YL = -0.11213052E 08 ROLL = -0.19522431E 02 ACC = 0.59562491E 02 RTGN = 0.44793631E 01 FPAA = -0.56235226E 01
 ZL = -0.36846776E 07 RLDDOT = -0.49999999E 01 DRAG = 0.18166073E 05 RTGL = 0.42952808E 02 PSAV = 0.53653628E 02

23 FEB. 1970 22 HR 36 MIN 4.71 SEC TMST 777664.7109 J.D. 244 641.4417 9 DAY 0 HR 1.0 MIN
 X = 0.17262366E 08 XD = 0.31991648E 04 ALT = 0.13086300E 06 LAT = -0.10578661E 02 VI = 0.65670512E 04
 Y = -0.11425627E 08 YD = 0.48128787E 04 R = 0.21054256E 08 LONG = 0.19408253E 03 FPAI = -0.48718723E 01
 Z = -0.38402433E 07 ZD = 0.31189270E 04 RDOT = -0.55772511E 03 FLP = -0.46193947E 04 PSIV = 0.62032007E 02
 XL = 0.17283471E 08 TAG = 0.60000000E 01 GLOAD = 0.21142273E 01 FLY = 0.57448756E 04 VA = 0.52874542E 04
 YL = -0.11206751E 08 ROLL = -0.38802399E 02 ACC = 0.62232716E 02 RTGN = 0.45028265E 01 FPAA = -0.60548661E 01
 ZL = -0.36846776E 07 RLDDOT = 0. DRAG = 0.18429325E 05 RTGL = 0.38510762E 02 PSAV = 0.54294065E 02

23 FEB. 1970 22 HR 36 MIN 9.71 SEC TMST 777669.7109 J.D. 244 641.4418 9 DAY 0 HR 1.1 MIN
 X = 0.17277932E 08 XD = 0.30257992E 04 ALT = 0.12800300E 06 LAT = -0.10538288E 02 VI = 0.62835482E 04
 Y = -0.11401872E 08 YD = 0.46911871E 04 R = 0.21051413E 08 LONG = 0.19414025E 03 FPAI = -0.52154763E 01
 Z = -0.38252300E 07 ZD = 0.28844898E 04 RDOT = -0.58155903E 03 FLP = -0.55044492E 04 PSIV = 0.63149622E 02
 XL = 0.17287556E 08 TAG = 0.60000000E 01 GLOAD = 0.21334939E 01 FLY = 0.50020030E 04 VA = 0.49708969E 04
 YL = -0.11200449E 08 ROLL = -0.47737794E 02 ACC = 0.63884318E 02 RTGN = 0.46503108E 01 FPAA = -0.61915277E 01
 ZL = -0.36846776E 07 RLDDOT = -0.43001854E 01 DRAG = 0.18594186E 05 RTGL = 0.34289073E 02 PSAV = 0.55243760E 02

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23 FEB. 1970 22 HR 36 MIN 14.71 SEC TMS
~~X~~ = 0.17292605E 08 XD = 0.28413268E 04 ALT = 0.12499150E 06 LAT = -0.10501325E 02 VI = 0.6000C1706E 04
~~Y~~ = -0.11378701E 08 YD = 0.45783143E 04 R = 0.21048418E 08 LONG = 0.19419526E 03 FPAI = -0.59183441E 01
~~Z~~ = -0.38114157E 07 ZD = 0.26396870E 04 RDOT = -0.61868362E 03 FLP = -0.65819505E 04 PSIV = 0.64491772E 02
~~XL~~ = 0.17291639E 08 TAG = 0.60000000E 01 GLOAD = 0.21667685E 01 FLY = 0.37129787E 04 VA = 0.46924400E 04
~~YL~~ = -0.11194145E 08 ROLL = -0.60571991E 02 ACC = 0.66517354E 02 RTGN = 0.48661510E 01 FPAA = -0.75763241E 01
~~ZL~~ = -0.36846776E 07 RLDOT = 0. DRAG = 0.18892506E 05 RTGL = 0.30291095E 02 PSAV = 0.56458281E 02

23 FEB. 1970 22 HR 36 MIN 19.71 SEC TMS
~~X~~ = 0.17306323E 08 XD = 0.26434298E 04 ALT = 0.12176175E 06 LAT = -0.10467927E 02 VI = 0.57164814E 04
~~Y~~ = -0.11356079E 08 YD = 0.44707189E 04 R = 0.21045203E 08 LONG = 0.19424755E 03 FPAI = -0.67277662E 01
~~Z~~ = -0.379888434E 07 ZD = 0.23881187E 04 RDOT = -0.66969736E 03 FLP = -0.71706208E 04 PSIV = 0.66044115E 02
~~XL~~ = 0.17295719E 08 TAG = 0.60000000E 01 GLOAD = 0.22021455E 01 FLY = 0.27621993E 04 VA = 0.43925432E 04
~~YL~~ = -0.11187840E 08 ROLL = -0.68932784E 02 ACC = 0.68618930E 02 RTGN = 0.51226094E 01 FPAA = -0.87696426E 01
~~ZL~~ = -0.36846776E 07 RLDOT = -0.44092149E 01 DRAG = 0.19210601E 05 RTGL = 0.26518538E 02 PSAV = 0.57928119E 02

23 FEB. 1970 22 HR 36 MIN 24.71 SEC TMS
~~X~~ = 0.17319034E 08 XD = 0.24501857E 04 ALT = 0.11826800E 06 LAT = -0.10438174E 02 VI = 0.54301332E 04
~~Y~~ = -0.11334007E 08 YD = 0.43478339E 04 R = 0.21041722E 08 LONG = 0.19429705E 03 FPAI = -0.75175870E 01
~~Z~~ = -0.37875350E 07 ZD = 0.21399247E 04 RDOT = -0.71042711E 03 FLP = -0.45206467E 04 PSIV = 0.67669282E 02
~~XL~~ = 0.17299797E 08 TAG = 0.60000000E 01 GLOAD = 0.22439889E 01 FLY = 0.63975356E 04 VA = 0.4905182E 04
~~YL~~ = -0.11181533E 08 ROLL = -0.35245912E 02 ACC = 0.63759693E 02 RTGN = 0.53454607E 01 FPAA = -0.1001643E 02
~~ZL~~ = -0.36846776E 07 RLDOT = 0.20000000E 02 DRAG = 0.19583908E 05 RTGL = 0.22985356E 02 PSAV = 0.574844929E 02

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23 FEB. 1970 22 HR 36 MIN 29.71 SEC TMST 777689.7109 J.D. 244 641.4420 9 DAY 0 HR 1.5 MIN
 X = 0.17330907E 08 XD = 0.22860580E 04 ALT = 0.11476975E 06 LAT = -0.10411228E 02 VI = 0.51221458E 04
 Y = -0.11312803E 08 YD = 0.41196404E 04 R = 0.21038235E 08 LONG = 0.19436327E 03 FPAI = -0.77739847E 01
 Z = -0.3772352E 07 LD = 0.20096965E 04 RDOT = -0.69285067E 03 FLP = 0.71507300E 04 PSIV = 0.67813725E 02
 XL = 0.17303872E 08 TAG = 0.60000000E 01 GLOAD = 0.22626426E 01 FLY = 0.33565789E 04 VA = 0.37854486E 04
 VL = -0.11175225E 08 ROLL = 0.64854466E 02 ACC = 0.68223243E 02 RTGN = 0.49490415E 01 FPAA = -0.11546290E 02
 ZL = -0.36846776E 07 RLDDOT = 0.20000000E 02 DRAG = 0.19748349E 05 RTGL = 0.19837654E 02 PSAV = 0.59004897E 02

23 FEB. 1970 22 HR 36 MIN 34.71 SEC TMST 777694.7109 J.D. 244 641.4421 9 DAY 0 HR 1.5 MIN
 X = 0.17341624E 08 XD = 0.19837440E 04 ALT = 0.11105050E 06 LAT = -0.10385405E 02 VI = 0.47936869E 04
 Y = -0.11292779E 08 YD = 0.38990281E 04 R = 0.21034527E 08 LONG = 0.19438502E 03 FPAI = -0.97140384E 01
 Z = -0.37673014E 07 LD = 0.19600443E 04 RDOT = -0.80866305E 03 FLP = 0.67240668E 04 PSIV = 0.67015474E 02
 XL = 0.17307946E 08 TAG = 0.60000000F 01 GLOAD = 0.22814765E 01 FLY = -0.42831151E 04 VA = 0.34825771E 04
 VL = -0.11168914E 08 ROLL = 0.12249644E 03 ACC = 0.78721109E 02 RTGN = 0.42194211E 01 FPAA = -0.13429811E 02
 ZL = -0.36846776E 07 RLDDOT = 0.33450868E 01 DRAG = 0.19930842E 05 RTGL = 0.17034038E 02 PSAV = 0.56997352E 02

23 FEB. 1970 22 HR 36 MIN 39.71 SEC TMST 777699.7109 J.D. 244 641.4421 9 DAY 0 HR 1.6 MIN
 X = 0.17350704E 08 XD = 0.16461393E 04 ALT = 0.10662050E 06 LAT = -0.10360837E 02 VI = 0.44633162E 04
 Y = -0.11273786E 08 YD = 0.37006249E 04 R = 0.21030108E 08 LONG = 0.19442193E 03 FPAI = -0.12432832E 02
 Z = -0.37576936E 07 LD = 0.18753113E 04 RDOT = -0.96077731E 03 FLP = 0.48304177E 04 PSIV = 0.66593374E 02
 XL = 0.17312017E 08 TAG = 0.60000000E 01 GLOAD = 0.23551371E 01 FLY = -0.66714711E 04 VA = 0.31822290E 04
 VL = -0.11162603E 08 ROLL = 0.14409392E 03 ACC = 0.81752251E 02 RTGN = 0.36167491E 01 FPAA = -0.17572579E 02
 ZL = -0.36846776E 07 RLDDOT = 0.49999999E 01 DRAG = 0.20591483E 05 RTGL = 0.14482933E 02 PSAV = 0.55178191E 02

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23 FEB. 1970 22 HR 36 MIN 44.71 SEC TMSI 777704.7109 J.D. 244 641.4422 9 DAY 0 HR 1.7 MIN

X = 0.17358071E 08 XD = 0.13021032E 04 ALT = 0.10141150E 06 LAT = -0.10338242E 02 VI = 0.41310156E 04
Y = -0.11255741E 08 YD = 0.35186128E 04 R = 0.21024908E 08 LONG = 0.19445406E 03 FPAI = -0.15636964E 02
Z = -0.37486572E 07 ZD = 0.17289250E 04 RDOT = -0.11169498E 04 FLP = 0.23216613E 04 PSIV = 0.66989161E 02
XL = 0.17316086E 08 TAG = 0.60000000E 01 GLOAD = 0.24654072E 01 FLY = -0.83071903E 04 VA = 0.288J3339E 04
YL = -0.11156290E 08 ROLL = 0.16438559E 03 ACC = 0.84029373E 02 RTGN = 0.32195102E 01 FPAA = -0.22816979E 02
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.21563790E 05 RTGL = 0.12184361E 02 PSAV = 0.54155410E 02

23 FEB. 1970 22 HR 36 MIN 49.71 SEC TMSI 777709.7109 J.D. 244 641.4423 9 DAY 0 HR 1.8 MIN

X = 0.17363762E 08 XD = 0.97871397E 03 ALT = 0.95492250E 05 LAT = -0.10318299E 02 VI = 0.37886906E 04
Y = -0.11238642E 08 YD = 0.33154755E 04 R = 0.21018998E 08 LONG = 0.19448149E 03 FPAI = -0.19136768E 02
Z = -0.37404496E 07 ZD = 0.15504571E 04 RDOT = -0.12401503E 04 FLP = 0.24435977E 04 PSIV = 0.67822899E 02
XL = 0.17320153E 08 TAG = 0.60000000E 01 GLOAD = 0.25912590E 01 FLY = -0.87434938E 04 VA = 0.25746543E 04
YL = -0.11149976E 08 ROLL = 0.16438559E 03 ACC = 0.84648738E 02 RTGN = 0.29075183E 01 FPAA = -0.28774941E 02
ZL = -0.36846776E 07 RLDOT = 0.54999999E 01 DRAG = 0.22696346E 05 RTGL = 0.10187462E 02 PSAV = 0.532J7612E 02

23 FEB. 1970 22 HR 36 MIN 54.71 SEC TMSI 777714.7109 J.D. 244 641.4423 9 DAY 0 HR 1.9 MIN

X = 0.17367915E 08 XD = 0.68969521E 03 ALT = 0.89065000E 05 LAT = -0.10301365E 02 VI = 0.34389979E 04
Y = -0.11222608E 08 YD = 0.30966466E 04 R = 0.21012578E 08 LONG = 0.19450415E 03 FPAI = -0.22564888E 02
Z = -0.3732335E 07 ZD = 0.13273307E 04 RDOT = -0.13196449E 04 FLP = 0.34653991E 02 PSIV = 0.69531226E 02
XL = 0.17324217E 08 TAG = 0.60000000E 01 GLOAD = 0.27220600E 01 FLY = -0.95305176E 04 VA = 0.22644739E 04
YL = -0.11143660E 08 ROLL = 0.17979167E 03 ACC = 0.85228926E 02 RTGN = 0.27324135E 01 FPAA = -0.35644888E 02
ZL = -0.36846776E 07 RLDOT = 0. DRAG = 0.23826452E 05 RTGL = 0.44893943E 01 PSAV = 0.52880047E 02*

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23 FEB. 1970 22 HR 36 MIN 59.71 SEC TMST 777719.7109 J.D. 244 641.4424 9 DAY 0 HR 2.0 MIN
 X = 0.17370736E 08 XD = 0.44698993E 03 ALT = 0.82377250E 05 LAT = -0.10287832E 02 V1 = 0.30811863E 04
 Y = -0.11207730E 08 YD = 0.28462688E 04 R = 0.21005896E 08 LONG = 0.19452214E 03 FPAI = -0.20836019E 02
 Z = -0.37271947E 07 ZD = 0.10920912E 04 RDOT = -0.13427717E 04 FLP = 0.17321671E 04 PSIV = 0.71768826E 02
 XL = 0.17328279E 08 TAG = 0.60000000E 01 GLOAD = 0.27960205E 01 FLY = -0.96390464E 04 VA = 0.19557184E 04
 YL = -0.11137343E 08 ROLL = 0.16981250E 03 ACC = 0.83059854E 02 RTGN = 0.26281601E 01 FPAA = -0.43360561E 02
 ZL = -0.36846776E 07 RLDT = 0.49999999E 01 DRAG = 0.24483620E 05 RTGL = 0.71147565E 01 PSAV = 0.52398126E 02

23 Feb. 1970 22 HR 37 MIN 4.71 SEC TMST 777724.7109 J.D. 244 641.4424 9 DAY 0 HR 2.0 MIN
 X = 0.17372489E 08 XD = 0.26570685E 03 ALT = 0.75725000E 05 LAT = -0.10277572E 02 V1 = 0.27308332E 04
 Y = -0.11194161E 08 YD = 0.25818568E 04 R = 0.20999248E 08 LONG = 0.19453549E 03 FPAI = -0.28594717E 02
 Z = -0.37223373E 07 ZD = 0.84903805E 03 RDOT = -0.13070065E 04 FLP = 0.35208720E 02 PSIV = 0.74833962E 02
 XL = 0.17332338E 08 TAG = 0.60000000E 01 GLOAD = 0.27635683E 01 FLY = -0.96830790E 04 VA = 0.15593147E 04
 YL = -0.11131024E 08 ROLL = 0.17979167E 03 ACC = 0.77519513E 02 RTGN = 0.26208854E 01 FPAA = -0.51969064E 02
 ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.24207858E 05 RTGL = 0.60427708E 01 PSAV = 0.52148396E 02

23 FEB. 1970 22 HR 37 MIN 9.71 SEC TMST 777729.7109 J.D. 244 641.4425 9 DAY 0 HR 2.1 MIN
 X = 0.17373507E 08 XD = 0.15261020E 03 ALT = 0.69388500E 05 LAT = -0.10270492E 02 V1 = 0.24049803E 04
 Y = -0.11181912E 08 YD = 0.23186196E 04 R = 0.20992915E 08 LONG = 0.19454468E 03 FPAI = -0.30443624E 02
 Z = -0.37186777E 07 ZD = 0.62019636E 03 RDOT = -0.12185802E 04 FLP = 0.95872833E 03 PSIV = 0.78571481E 02
 XL = 0.17336395E 08 TAG = 0.60000000E 01 GLOAD = 0.26487738E 01 FLY = -0.92184095E 04 VA = 0.13892636E 04
 YL = -0.11124704E 08 ROLL = 0.17406250E 03 ACC = 0.69057778E 02 RTGN = 0.27031611E 01 FPAA = -0.61299363E 02
 ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.23170326E 05 RTGL = 0.52432201E 01 PSAV = 0.5190938E 02

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23 FEB. 1970 22 HR 37 MIN 14.71 SEC TMST 777734.7109 J.D. 244 641.4425 9 DAY 0 HR 2.2 MIN

X = 0.17374121E 08 XD = 0.10333895E 03 ALT = 0.63594250E 05 LAT = -0.10266088E 02 VI = -0.21209640E 04
Y = -0.11170945E 08 YD = 0.20752981E 04 R = 0.20987122E 08 LONG = 0.19455029E 03 FPAI = -0.31063855E 02
Z = -0.37160741E 07 ZD = 0.42537933E 03 RDOT = -0.10944030E 04 FLP = 0.10513373E 03 PSIV = 0.82557970E 02
XL = 0.17340450E 08 TAG = 0.60000000E 01 GLOAD = 0.24293780E 01 FLY = -0.85036411E 04 VA = 0.11577040E 04
YL = -0.11118383E 08 ROLL = 0.17929166E 03 ACC = 0.57608606E 02 RTGN = 0.28438392E 01 FPAA = -0.70965358E 02
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.21260728E 05 RTGL = 0.46797274E 01 PSAV = 0.51447119E 02

23 FEB. 1970 22 HR 37 MIN 19.71 SEC TMST 777739.7109 J.D. 244 641.4426 9 DAY 0 HR 2.3 MIN

X = 0.17374625E 08 XD = 0.10472549E 03 ALT = 0.58464500E 05 LAT = -0.10263829E 02 VI = -0.14937594E 04
Y = -0.11161095E 08 YD = 0.18716467E 04 R = 0.20981994E 08 LONG = 0.19455314E 03 FPAI = -0.37335838E 02
Z = -0.37143565E 07 ZD = 0.26887852E 03 RDOT = -0.95647644E 03 FLP = 0.94547652E 02 PSIV = 0.86451764E 02
XL = 0.17344503E 08 TAG = 0.60000000E 01 GLOAD = 0.21853724E 01 FLY = -0.76473963E 04 VA = 0.96995894E 03
YL = -0.11112060E 08 ROLL = 0.17929166E 03 ACC = 0.45884196E 02 RTGN = 0.30309831E 01 FPAA = -0.80435590E 02
ZL = -0.36846776E 07 RLDT = 0. DRAG = 0.19119952E 05 RTGL = 0.42993978E 01 PSAV = 0.51123117E 02

23 FEB. 1970 22 HR 37 MIN 24.71 SEC TMST 777744.7109 J.D. 244 641.4427 9 DAY 0 HR 2.4 MIN

X = 0.17375222E 08 XD = 0.13815160E 03 ALT = 0.54020500E 05 LAT = -0.10263129E 02 VI = 0.17249184E 04
Y = -0.11152152E 08 YD = 0.17125854E 04 R = 0.20977550E 08 LONG = 0.19455403E 03 FPAI = -0.28499549E 02
Z = -0.37133196E 07 ZD = 0.15267245E 03 RDOT = -0.82304797E 03 FLP = 0.41117407E 03 PSIV = 0.89731885E 02
XL = 0.17348553E 08 TAG = 0.60000000E 01 GLOAD = 0.19463805E 01 FLY = -0.68121870E 04 VA = 0.82314284E 03
YL = -0.11105735E 08 ROLL = 0.17906250E 03 ACC = 0.35122186E 02 RTGN = 0.32306271E 01 FPAA = -0.89127872E 02
ZL = -0.36846776E 07 RLDT = -0.11000000E 02 DRAG = 0.17032748E 05 RTGL = 0.40663935E 01 PSAV = 0.55516317E 02

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23 FEB. 1970 22 HR 37 MIN 29.71 SEC TMST 777749.7109 J.D. 244.641.4427 9 DAY 0 HR 2.5 MIN
X = 0.17376123E 0H XD = 0.22651538E 03 ALT = 0.50198750E 05 LAT = -0.19263121E 02 VI = 0.16631324E 04
Y = -0.11143784E 08 YD = 0.16489399E 04 R = 0.20973728E 08 LNG = 0.19455404E 03 FPAI = -0.25197986E 02
Z = -0.37126406E 07 ZD = 0.12526276E 03 RDOT = -0.71062889E 03 FLR = 0.26600069E 02 PSIV = 0.90020361E 02
XL = 0.17352601E 08 TAG = 0.60000000E 01 CLOAD = 0.17404362E 01 FLY = -0.60962410E 04 VA = 0.71064640E 03
YL = -0.11099409E 08 ROLL = 0.17975000E 03 ACC = 0.28710519E 02 RTGN = 0.32506069E 01 FPAA = -0.83592493E 02
ZL = -0.36846776E 07 RLDOT = 0.54999999E 01 DRAG = 0.15240748E 05 RTGL = 0.40496505E 01 PSAV = 0.96097528E 02
EV 2

OR 0 4.9845750E 04 LESS THAN 5.000000E 04 -0. -0. -0.

61 700 4.9845750E 04 -0 -0 -0. -0. -0.

20 -0 -0 -0 -0 -0. -0. -0.

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